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United States
Department of
Agriculture

Cooperative State
Research Service

Inventory of Agricultural Research Fiscal Year 1988

INVENTORY OF AGRICULTURAL RESEARCH

FISCAL YEAR 1988

Fiscal Year 1988 covers the period from October 1, 1987, through September 30, 1988.

This report was compiled from data supplied to the Current Research Information System, Cooperative State Research Service, by U.S. Department of Agriculture Research Agencies, State Agricultural Experiment Stations, Forestry Schools and Other Institutions.

Issued by

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TABLE OF CONTENTS

Introduction	viii
---------------------------	-------------

Table Descriptions

Table II	x
Table III	xi
Table IV	xii
Table IV-A through IV-E and IV-G.....	xiii
Table IV-F	xv
Table V	xvi

CRIS Input Forms	xvii
-------------------------------	-------------

Classification Codes and Descriptors

Commodity or Resource	xix
Research Problem Area	xxi
Research Program Group/Research Program	xxv

CONTENTS (continued)

	<u>Pages</u>
<u>TABLES II-B and II-D</u>	
Summary for Commodity or Resource and Research Problem Areas	
National Total, USDA, SAES, Other	
National Total, USDA, SAES, Other Institutions	1-3
National Total SAES and USDA	4-6
National Total USDA Research Agencies	7-9
Agricultural Cooperative Service (ACS)	10
Agricultural Research Service (ARS)	11-12
Cooperative State Research Service (CSRS) Special Grants	13-14
Competitive Research Grants Office (CRGO)	15-16
Economic Research Service (ERS)	17-18
Forest Service (FS)	19
Human Nutrition Information Service (HNIS)	20
Small Business Innovative Research Grants (SBIR)	21
National Total SAES, Other	
National Total SAES, Other Cooperating Institutions	22-24
National Total State Agricultural Experiment Stations (SAES) ...	25-27
Station Totals SAES (Table II-B only)	
Alabama, Alaska	28
American Samoa, Arizona	29
Arkansas	30
California	31
Colorado, Connecticut (New Haven)	32
Connecticut (Storrs), Delaware	33
District of Columbia, Florida	34
Georgia, Guam	35
Hawaii	36
Idaho	37
Illinois	38
Indiana	39
Iowa	40
Kansas, Kentucky	41
Louisiana, Maine	42
Maryland, Massachusetts	43
Michigan	44
Minnesota	45
Mississippi	46
Missouri, Montana	47
N. Marianas, Nebraska	48

CONTENTS (continued)

	<u>Pages</u>
Nevada, New Hampshire	49
New Jersey, New Mexico	50
New York (Geneva), New York (Ithaca)	51
North Carolina	52
North Dakota	53
Ohio	54
Oklahoma	55
Oregon, Pennsylvania	56
Puerto Rico, Rhode Island	57
South Carolina, South Dakota	58
Tennessee	59
Texas, Utah	60
Vermont, Virgin Islands	61
Virginia	62
Washington	63
West Virginia, Wisconsin	64
Wyoming	65
Forestry Schools - Total	66-67
Forestry Schools (Table II-B only)	
Ann Arbor, Arcata, Burlington, Carbondale	68
Clemson, Corvallis, Flagstaff, Houghton	69
Missoula, Moscow, Nacogdoches, Ruston	70
San Luis Obispo, Seattle, Syracuse	71
National Totals 1890/Tuskegee Institutions	72-73
1890/Tuskegee Institutions (Table II-B only)	
Greensboro, Normal, Tuskegee	74
Lorman, Pine Bluff, Dover, Tallahassee	75
Fort Valley, Frankfort, Langston	76
Jefferson, Princess Anne, Prairie View	77
Orangeburg, Baton Rouge, Nashville, Petersburg	78
National Totals Schools of Veterinary Medicine	79
Schools of Veterinary Medicine (Table II-B only)	
Alabama, California, Colorado, Florida	80
Georgia, Iowa, Louisiana, Minnesota	81
Missouri, New York, Ohio, Oregon	82
Pennsylvania, Texas, Tuskegee, Washington	83
National Total Other Non-Federal Institutions	84-85
<u>TABLES III-B AND III-D</u>	
Data on Funds by Method of Expenditure and Source for Fiscal Year for Commodity or Resource and Research Problem Areas for USDA Research Agencies	
National Total USDA Research Agencies	86-88
Agricultural Cooperative Service (ACS)	89
Agricultural Research Service (ARS)	90-91

CONTENTS (continued)

	<u>Pages</u>
Cooperative State Research Service (CSRS) Special Grants	92-93
Competitive Research Grants Office (CRGO)	94-95
Economic Research Service (ERS)	96-97
Forest Service (FS)	98
Human Nutrition Information Service (HNIS)	99
Small Business Innovative Research Grants (SBIR)	100

TABLE III-E

Summary Data by Method of Expenditure and Source for
Fiscal Year for USDA Agencies

National Total USDA Research Agencies	101
---	-----

TABLES IV-B and IV-D

Data on Funds by Source for Fiscal Year for Commodity
or Resource and Research Problem Areas for State
Agricultural Experiment Stations, Forestry Schools
and Other Cooperating Institutions

National Total SAES, and Other Institutions	102-104
Regional Total SAES, and Other Institutions	
Region 1 (Northeast)	105-107
Region 2 (Southern)	108-110
Region 3 (North Central)	111-113
Region 4 (Western)	114-116
National Total State Agricultural Experiment Stations (SAES)	117-119
National Total Forestry Schools	120-121
National Total 1890/Tuskegee Institutions	122-124
National Total Schools of Veterinary Medicine	125
National Total Other Non-Federal Institutions	126-127

TABLE IV-E

Summary Data by Source for Fiscal Year for State
Agricultural Experiment Stations and Other
Cooperating Institutions - CSRS and Non-Federal Sources

Region 1 (Northeast)	128
Region 2 (Southern)	129
Region 3 (North Central)	130
Region 4 (Western)	131

TABLE IV-F

Summary Data by Source for Fiscal Year for State
Agricultural Experiment Stations and Other
Cooperating Institutions - Other Federal Sources

Region 1 (Northeast)	132
Region 2 (Southern)	133
Region 3 (North Central)	134
Region 4 (Western)	135

CONTENTS (continued)

Pages

TABLE IV-G

Summary Data by Source for Fiscal Year for State
Agricultural Experiment Stations and Other
Cooperating Institutions

Summary by Organization	136
-------------------------------	-----

TABLE VB AND VC

Scientist Years by Research Program Group
and Research Program

RPG

RP

National Summaries	137	161-162
Regional Summaries		
Foreign	138	163
Region 1 - Northeast	138	164-165
Region 2 - Southern	138	166-167
Region 3 - North Central	139	168-169
Region 4 - Western	139	170-171
Country/State Summaries by Region		
Foreign		
France	140	172
Italy	140	172
Mexico	140	172
Netherlands	140	172
South Korea	140	172
Region 1 - Northeast		
Connecticut	141	173
Delaware	141	174
District of Columbia	141	175
Maine	142	176
Maryland	142	177-178
Massachusetts	142	179
New Hampshire	143	180
New Jersey	143	181-182
New York	143	183-184
Pennsylvania	144	185-186
Rhode Island	144	187
Vermont	144	188
West Virginia	145	189

CONTENTS (continued)

	<u>Pages</u>	
	<u>RPG</u>	<u>RP</u>
Region 2 - Southern		
Alabama	146	190-191
Arkansas	146	192-193
Florida	146	194-195
Georgia	147	196-197
Kentucky	147	198-199
Louisiana	147	200-201
Mississippi	148	202-203
North Carolina	148	204-205
Oklahoma	148	206-207
Puerto Rico	149	208
South Carolina	149	209-210
Tennessee	149	211-212
Texas	150	213-214
Virgin Islands	150	215
Virginia	150	216-217
Region 3 - North Central		
Illinois	151	218-219
Indiana	151	220-221
Iowa	151	222-223
Kansas	152	224-225
Michigan	152	226-227
Minnesota	152	228-229
Missouri	153	230-231
Nebraska	153	232-233
North Dakota	153	234
Ohio	154	235-236
South Dakota	154	237
Wisconsin	154	238-239
Region 4 - Western		
Alaska	155	240
American Samoa	155	241
Arizona	155	242-243
California	156	244-245
Colorado	156	246-247
Guam	156	248
Hawaii	157	249
Idaho	157	250-251
Montana	157	252-253
Nevada	158	254
New Mexico	158	255-256
Northern Marianas	158	257
Oregon	159	258-259
Utah	159	260-261
Washington	159	262-263
Wyoming	160	264

INTRODUCTION

The Inventory of Agricultural Research is a collection of statistical tables compiled annually since 1966 on research conducted by the United States Department of Agriculture (USDA), State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine, and Other Institutions. The tables were designed to assist persons who carry out the "joint research program planning, evaluation, and coordination" recommended in the long-range study, A National Program of Research for Agriculture, published in October 1966. Input data is provided to the Current Research Information System (CRIS) by USDA Research Agencies on Forms AD-416, AD-417, and AD-418, and by State Agricultural Experiment Stations and Other Institutions on Forms AD-416, AD-417, and AD-419. (See Table of Contents.)

From 1968 through 1981, the Inventory was published in three-volume sets. Publication of Volume I was discontinued in 1982. Volumes II and III were combined into a single volume in 1983.

Tables in the II series show scientist years and funds for USDA agencies and SAES et al. Tables in the III series show funding data for USDA research by source of funds. Tables in the IV series show funding data for SAES et al. by source of funds.

The II-B, III-B, and IV-B Tables show a breakdown of the data by the commodity classification used in the long-range study. The II-D, III-D, and IV-D Tables show data for each of the 98 Research Problem Areas (RPA) used in the long-range study. The III-E and IV-E Tables provide summaries of funds and scientist years by agency or station/institution.

Table V shows scientist years by Research Program Group (RPG) and Research Program (RP). RP's and RPG's are made up of unique combinations determined by type of research (agricultural or forestry), activity, commodity, and Research Problem Area (RPA) classification.

All funds appearing in this volume are gross figures. This means that funds not allocated to specific research projects, but considered to be an integral part of the cost of doing research, are prorated to the appropriate research projects. The nature and amount of funds not allocated to projects vary among the stations and USDA agencies. It usually includes administration, supervision, and personnel and financial services. It may include publications and statistical services, rent, operation of research farms, and other expenditures that relate to several or all projects. Prior to Fiscal Year 1972, Tables III and IV reflected net funds.

Starting with Fiscal Year 1982, all inventory tables include data from cooperating Schools of Veterinary Medicine. Starting with Fiscal Year 1986, funds provided by the Agency for International Development (AID) are included with Other Federal Funds in Series II, III and IV Tables.

Funds and staff support for a number of Forestry Schools and Schools of Veterinary Medicine are included with the State Agricultural Experiment Station figures, rather than listed independently.

Research Work Unit/Project Classification - Listings of the appropriate classification categories are included in each of the volumes. More complete descriptions of classification can be found in the "Manual of Classification of Agricultural and Forestry Research," Revision IV, Feb. 1982, available from the Current Research Information System, Cooperative State Research Service, U.S. Department of Agriculture.

Classification on individual Research Work Unit/Projects is provided on Form AD-417. Many inputs used only one line. For example, a project carried out by an entomologist on control of cotton insects would be coded:

"Activity" - 4500 (Insect control), "Commodity" - 2100 (Cotton),
"Field of Science" - 0412 (Entomology), "Research Problem Area" - 207
(Insect pests of field crops) - 100%

Some inputs (projects) could not be classified on a single classification line. For example, a project carried out by a geneticist on breeding corn for disease resistance and improved yield would use two classification lines. If, in the judgment of the person preparing the input form, three-fourths of the emphasis were on disease resistance and one-fourth on yield, the lines would be:

"Activity" - 4600 (Disease control), "Commodity" - 1400 (Corn),
"Field of Science" - 0512 (Genetics), "Research Problem Area" - 208
(Control of disease of field crops) - 75%

"Activity" - 5000 (Biol. efficiency), "Commodity" - 1400 (Corn),
"Field of Science" - 0512 (Genetics), "Research Problem Area" - 307
(Improvement of biological efficiency of field crops) - 25%

In the Research Problem Area tabulations, 75% of the scientist years and of the funds reported for this project would be aggregated with other projects in the Problem Area, "Control of diseases of field crops," and 25% would be aggregated with other projects in the Research Problem Area, "Improvement of biological efficiency of field crops." In the Commodity tabulations, 100% of this project would be in "corn."

FOREST SERVICE DATA FOR FY 1988 IS ESTIMATED. ACTUAL DATA WILL NOT BE AVAILABLE UNTIL THE COMPLETION OF A MAJOR COMPUTERIZATION EFFORT THAT IS CURRENTLY UNDERWAY.

TABLE II

Table II summarizes data on the research programs of the United States Department of Agriculture (USDA) research agencies, the State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine and Other Institutions.

Column 1 includes abbreviations for the Commodity and Research Problem Area (RPA) Classifications. See the Manual of Classification of Agricultural and Forestry Research, Revision IV, February 1982, for a more detailed description of the Commodity and RPA classification.

"NO OF PROJ," column 2 gives the number of projects in a particular classification category. Projects with more than one line of classification may be tabulated in more than one category.

"SCIENTIST YEARS," column 3 includes for SAES et al. all research workers with a rank of Assistant Professor or above. It excludes graduate assistants and research administrators. For staff members engaged in research and teaching (or other nonresearch activities), only the full-time equivalent of the portion of time devoted to research is included. A count of the different individuals engaged in the program would be greater than the scientist-years reported. For USDA agencies, scientist-years include research workers whose rating is GS-11 or above. It does not include those with GS-7 or GS-9 ratings or those engaged in research administration. Scientists who start work after October of the Fiscal Year, or whose employment is terminated before September 30, are reported for only that portion of the year which represents actual employment.

"REG FED APPR (CSRS ADMSTRD)," column 4 means Regular Federal Appropriations (including those administered by the Cooperative State Research Service). For USDA research agencies, including Competitive Research Grants, CSRS Special Grants, and Small Business Innovative Research Grants, the amounts reported are the sums of the amounts in Fields 101, 104, 105, 106 and 107 of Form AD-418, plus the amount in Field 19 of Form AD-416 for grants and contracts in the year of obligation. The second portion of this heading, "CSRS ADMSTRD," applies only to Federal funds made available by CSRS to SAES et al. For these institutions, the amounts reported are the sums of the amounts in Fields 201, 202, 203 and 205 of Form AD-419.

"TOTAL FUNDS," column 5 includes for USDA all funds under "REG FED APPR," plus "Other Federal Research Funds" as reported on Form AD-418, plus "Non-Federal Research Funds" as reported on Form AD-418. For SAES et al. "TOTAL FUNDS" includes "REG FED APPR," plus "Other Federal Research Funds" as reported on Form AD-419, plus "Non-Federal Research Funds" as reported on Form AD-419.

"USDA CON/GR/CA WITH SAES," columns 6 and 7 refer to contracts, grants, and cooperative agreements under which the USDA uses federally appropriated funds to SAES et al. for the performance of specific research tasks. They include Competitive Research Grants and CSRS "Special Grants" but not grants from other CSRS administered funds. Scientist-years and fund data reported in these columns are also included in columns 3 and 5. SAES et al. report expenditures of these funds in Fields 204 and 219 of Form AD-419. Scientist-years supported by these funds are not reported separately for SAES et al. in column 6 but are included in column 3. USDA agencies treat each contract, grant, or cooperative agreement with an SAES as a separate work unit or project. The amounts included in column 7 by USDA are reported in Field 19 of Form AD-416. This field shows the expected scientist-years to be "purchases," usually over a multiyear period, with the funds reported as obligated.

In the tables for National Total USDA, SAES and Other Institutions, all data have been adjusted to eliminate double counting of the scientists and funds involved in USDA contracts, grants, and cooperative agreements with the SAES et al. This is done for scientist years by adding USDA amounts in column 3 to the corresponding amounts for SAES et al. and subtracting the USDA amounts in column 6. This is done for funds by adding USDA amounts in column 5 to the corresponding amounts for SAES et al. and subtracting the USDA amounts in column 7.

TABLE III

Table III summarizes data on the research programs of the USDA research agencies.

Columns 1 and 2 are the same as those columns in Table II.

STAFF - IH SUPPORT YEARS

Column 3, "SYS" is the number of federally employed (in-house) support scientist years (Field 141 of Form AD-418 and Field 95 of Form AD-416 in the case of contracts, grants, and cooperative agreements with SAES).

Column 4, "OTHER" is a summation of the federally employed (in-house) staff support for research in years of effort for Professional, Technical and Other (Fields 142, 143 and 144 of Form AD-418).

FUNDS - IN THOUSANDS OF DOLLARS

Columns 5-15 involve rounding each datum to the nearest \$1,000, and because of this the items in a column may not add exactly to the total shown. Please note that funds shown are gross obligations.

Column 7, "REG IN HOUSE" includes regular appropriations used for in-house research (Field 101 of Form AD-418).

Column 8, "CGCA SAES" includes funds obligated during the year from regular appropriations in contracts, grants, and cooperative agreements with State Agricultural Experiment Stations (Field 19 of Form AD-416).

Column 9, "OTHER CN GT" includes funds obligated during the year from regular appropriations in contracts and grants with research organizations other than those included in Column 8 (Field 19 of Form AD-416).

Columns 10 and 11, "SP FD 015" and "SP FD 010" include obligations for subprofessional help on research programs based on two special funds available to the Agricultural Research Service. (See Fields 104 and 105 of Form AD-418)

Column 12, "FOREST SERV" includes funds received by the Forest Service under provisions of the Whitten Act (Field 106 of Form AD-418).

Column 13, "OTHER USDA" includes any other USDA funds appropriated for research which are not identified with Fields 101 to 106, inclusive, of Form AD-418 (reported in Field 107 of Form AD-418).

Column 14, "TOTAL USDA APPR" is a total of the amounts reported in Columns 7, 8, 9, 10, 11, 12 and 13.

Column 15, "OTHER FED FUND" includes all funds from Federal sources other than USDA research appropriations (Fields 308, 310-316, inclusive, and Field 318 of Form AD-418).

Column 16, "NON-FED FUND" includes all funds made available to the Department for research by non-Federal agencies (Field 133 of Form AD-418).

Column 17, "TOTAL" is a summation of all funds reported in Columns 14, 15 and 16.

TABLE IV

Table IV summarizes data on the research programs of the State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine and Other Institutions.

Included in the summaries for the Northeast Region are the research programs of all SAES et al. in: Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont and West Virginia.

Included in the summaries for the Southern Region are the research programs of all SAES et al. in: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, Puerto Rico, South Carolina, Tennessee, Texas, Virginia and the Virgin Islands.

Included in the summaries for the North Central Region are the research programs of all SAES et al. in: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota and Wisconsin.

Included in the summaries for the Western Region are the research programs of all SAES et al. in: Alaska, American Samoa, Arizona, California, Colorado, Guam, Hawaii, Idaho, Montana, Nevada, New Mexico, Northern Marianas, Oregon, Utah, Washington, Wyoming and Micronesia.

Columns 1 and 2 are the same as those columns in Table II.

STAFF - SUPPORT YEARS

Column 3, "SYS" is the number of scientist years (Field 241 of Form AD-419).

Column 4, "UTHER," is the summation of the nonfederally employed staff support for research in years of effort for three categories of support personnel, i.e. Professional, Technical and Uther (Fields 242, 243 and 244 of form AD-419).

FUNDS IN THOUSANDS OF DOLLARS

Columns 5-19, inclusive, involve rounding each datum to nearest \$1,000, and because of this, items in a column may not add exactly to the total shown.

Column 5, "HATH/RRF," includes obligations of formula funds, including regional research funds, received by SAES from Federal appropriations authorized under provisions of the Hatch Act (Field 201 + Field 202 of Form AD-419).

Column 6, "MCIN STEN," includes obligations of funds received by SAES and Forestry Schools under provisions of the McIntire-Stennis Act (Field 203 of Form AD-419).

Column 7, "SP GT" includes obligations of funds received by SAES et al. from the Federal appropriations made to CSRS for Special Grants (Field 204 of Form AD-419).

Column 8, "COMP GT" includes expenditures of funds received by SAES et al. from the Competitive Research Grants Program (Field 204 of Form AD-419).

Column 9, "EVNS ALLN" includes obligations of formula funds received by the Colleges of 1890 and Tuskegee Institute from Federal appropriations authorized under PL 95-113, Section 1445 (Field 204 of Form AD-419).

Column 10, "ANML HLTH" - Animal Health and Disease Research includes obligations of formula funds received by Colleges of Veterinary Medicine and SAES from Federal appropriations authorized under PL 95-113, Section 1433 (Field 205 of Form AD-419).

Column 11, "OTH CSRS" includes obligations of funds received by SAES et al. from any appropriation administered by CSRS other than those specifically mentioned in columns 5-10 (Field 205 of Form AD-419).

Column 12, "TOTAL CSRS" includes obligations of funds received by SAES et al. from Federal appropriations made to CSRS. It is a total of the amounts reported in columns 5, 6, 7, 8, 9, 10 and 11.

Column 13, "USDA CGCA" includes obligations of funds received by SAES et al. from contracts, grants, and cooperative agreements with the research performing agencies of the USDA (Field 219 of Form AD-419).

Column 14, "OTH FED" includes obligations of funds received by SAES et al. from contracts, grants and cooperative agreements with Federal agencies other than the USDA (Field 332 minus Field 219 of Form AD-419).

Column 15, "STATE APPRO" includes obligations of funds received by SAES et al. from State appropriations (Field 220 of Form AD-419).

Column 16, "PROD SALES" includes obligations of funds received by SAES et al. from sale of products (Field 221 of Form AD-419).

Column 17, "INDTRY" includes obligations of funds received by SAES et al. from industry (Field 222 of Form AD-419).

Column 18, "OTHER" includes obligations of funds received by SAES et al. from any other non-Federal sources (Field 223 of Form AD-419).

Column 19, "TOTAL" includes all obligations of SAES et al. in support of research projects. It is a total of columns 12, 13, 14, 15, 16, 17 and 18.

TABLE IV-F

Columns 1, 2, 3 and 4 are the same as above.

Column 5, "CSRS ADM" is the sum of all funds received by SAES et al. from any sources administered by CSRS (Fields 201, 202, 203, 204 and 205 of Form AD-419).

Column 6 "USDA CGCA" same as column 13 above (Field 219 of Form AD-419).

Column 7 "NSF" includes obligations of funds received by SAES et al. from the National Science Foundation (Field 209 of Form AD-419).

Column 8 "DOE" includes obligations of funds received by SAES et al. from the Department of Energy (Field 310 of Form AD-419).

Column 9 "AID" includes obligations of funds received by SAES et al. from the Agency for International Development (Field 308 of Form AD-419).

Column 10 "DOD" includes obligations of funds received by SAES et al. from the Department of Defense (Field 311 of Form AD-419).

Column 11 "NIH" includes obligations of funds received by SAES et al. from the National Institutes of Health (Field 316 of Form AD-419).

Column 12 "PHS" includes obligations of funds received by SAES et al. from the Public Health Services (Field 312 of Form AD-419).

Column 13 "HHS" includes obligations of funds received by SAES et al. from the Department of Health and Human Services (Field 313 of Form AD-419).

Column 14 "NASA" includes obligations of funds received by SAES et al. from the National Aeronautics and Space Administration (Field 314 of Form AD-419).

Column 15 "TVA" includes obligations of funds received by SAES et al. from the Tennessee Valley Authority (Field 315 of Form AD-419).

Column 16 "OTHER" includes obligations of funds received by SAES et al. from any non-USDA Federal sources not listed above (Field 318 of Form AD-419).

Column 17 "TOTAL OTHER FED" includes obligations of funds received by SAES et al. from all non-USDA Federal sources. It is a total of the amount reported in Columns 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16 (Field 332 of Form AD-419).

Column 18 "TOTAL NON-FED" includes obligations of funds received by SAES et al. from all non-Federal sources (Field 233 of Form AD-419).

Column 19 "TOTAL" includes all obligations of SAES et al. in support of Research Projects. It is a total of Columns 5, 6, 17 and 18 (Field 234 of Form AD-419).

TABLE V

Table V summarizes data on the research programs of the USDA research agencies, the State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine and Other Institutions. Table V-B shows scientist years by Research Program. Table V-C shows scientist years by Research Program Group.

The material is organized into manageable units and subunits based on type of research (agricultural or forestry), Activity, Commodity and Research Problem Area (RPA) classification. The various Activity X Commodity X RPA combinations for the two types of research aggregate to 63 Research Programs (RPs) which, in turn, aggregate to eight (8) Research Program Groups (RPGs). One additional RP/RPG has been established for unclassified projects. Duplication has been eliminated by designating each unique Type X Activity X Commodity X RPA combination as having a primary impact on only one of the 63 RPs. For example, a research project conducted by the Agricultural Research Service concerning watershed protection, Activity 4820 "Protection against Flood" Commodity 0300 "Watersheds and River Basins" and RPA 107 "Watershed Protection and Management" is reported as having a primary impact on RP 1.02 "Water and Watersheds." A research project conducted by the Forest Service concerning watershed protection Activity 4820 "Protection against Flood" Commodity 0300 "Watersheds and River Basins" and RPA 107 "Watershed Protection and Management" is reported as having primary impact on RP 2.04 "Forest Watersheds, Soils, and Pollution."

Forestry Research (type) includes all research conducted by Forest Service, Forestry Schools funded by McIntire-Stennis or designated Forestry by the Cooperative State Research Service. All other research is considered agricultural research. Columns 3 and 4 (agricultural) and 3 and 5 (forestry) show the combinations which have primary impact on each research program.

Effective with Fiscal Year 1980 data, a number of changes were made to the Research Program Group (RPG) and Research Program (RP) structures described in this publication. Added visibility for the Food and Human Nutrition Research area was achieved by removing it from former RPG 5.00 - People, Communities and Institutions establishing a new RPG 8.00 - Food Science and Human Nutrition. The title for RPG 5.00 was amended to "People, Communities and Institutions - including Rural Development" and two new RPs were added. Commodity oriented research, formerly classified under RPG - 7.00 General Research or Technology, was moved to the appropriate major category (RPG) by adding a number of new RPs to RPG 1.00 - Natural Resources, RPG 2.00 - Forestry, RPG 3.00 - Crops, and RPG 4.00 - Animals. Additionally, former RP 7.01 was split into two RPs. Please see the RPG/RP table for the specific changes.

Scientist years (SYS) are listed by performing organization with the following exception: SYS funded by USDA contracts, grants and cooperative agreements with organizations other than SAES are listed by funding organization.

U.S. DEPARTMENT OF AGRICULTURE RESEARCH WORK UNIT/PROJECT DESCRIPTION - RESEARCH RESUME U.S. DEPT. OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATIONS AND OTHER INSTITUTIONS					DATE (Day, Month, Year)		AMENDMENT <input type="checkbox"/>	
1. ACCESSION NO.		2. AGENCY IDENTIFICATION NO.		3. WORK UNIT/PROJECT NO.		4. STATUS		
		2. 3. 4.				New Extended Revised Term- A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> in- ated Pend- E <input type="checkbox"/> F <input type="checkbox"/> ing		
5. TITLE								
6. PERFORMING ORGANIZATION				7. RESPONSIBLE ORGANIZATION				
CITY		STATE/COUNTRY		ZIP CODE		CONG. DISTRICT		CITY
								14. STATE
								ZIP CODE
12. INVESTIGATOR NAME(S) (Last name & initials)				15. RESPONSIBLE INDIVIDUAL (Last name & initials)				
1 2 3				4 5 6				
				16. RESEARCH LOCATION ON CAMPUS?				
				A <input type="checkbox"/> Yes B <input type="checkbox"/> No				
PROJECT TYPE								
17-1. FOR USDA USE		17-2. FOR USDA USE		18-1. FOR STATE USE			CONTRACTS, GRANTS & COOPERATIVE AGREEMENTS	
A <input type="checkbox"/> Contract B <input type="checkbox"/> Grant C <input type="checkbox"/> Coop. Agmt. D <input type="checkbox"/> In-house		Contr./Gr./ Agmt. with SAES Other A <input type="checkbox"/> B <input type="checkbox"/>		1890/T SP GR RD V CRGO Alcohol Ind SBRG T <input type="checkbox"/> G <input type="checkbox"/> R <input type="checkbox"/> C <input type="checkbox"/> I <input type="checkbox"/> B <input type="checkbox"/> Hatch M-S State AH Native Latex H <input type="checkbox"/> M <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> L <input type="checkbox"/>			18-4. CONTR./GR./AGMT./NO. 18-5. FOR STATE USE ARS ERS FS ACS SRS A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	
							19-1. FACE AMOUNT	
							19-2. TOTAL SYS. 20. F Y	
21. FACILITIES							22-23. REGIONAL PROJECT NO.	
A <input type="checkbox"/> Federally-owned B <input type="checkbox"/> Federally-leased C <input type="checkbox"/> Combined D <input type="checkbox"/> State E <input type="checkbox"/> Other								
24. OBJECTIVES 25. APPROACH (Use space needed for "24.OBJECTIVES", then indicate "25. APPROACH".)								

27. KEYWORDS

RECOMMENDED			APPROVED ——— Check applicable one ——— CONCURRED		
SIGNATURE	TITLE	DATE	SIGNATURE	TITLE	DATE
28. AWARD DATE (Day, Mo., Yr.)		29. START DATE (Day, Mo., Yr.)		30. TERMINATION (Day, Mo., Yr.)	
				DURATION (Months)	
FOR USDA USE			SIGNATURE		
<input type="checkbox"/> Project referred and cleared by all interested agencies for entry into CRIS.			DATE		

U.S. DEPARTMENT OF AGRICULTURE RESEARCH WORK UNIT/PROJECT DESCRIPTION - CLASSIFICATION OF RESEARCH U.S. DEPT. OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATION AND OTHER INSTITUTIONS	DATE (Day, Month, Year)
---	-------------------------

1. ACCESSION NO.	2. AGENCY IDENTIFICATION NO.	3. 4.	5. WORK UNIT/PROJECT NO.	31. HATCH MARKETING <input type="checkbox"/> Yes <input type="checkbox"/> No %
32. BASIC RESEARCH %	33. APPLIED RESEARCH %	34. DEVELOPMENT EFFORT %	35. FORESTRY %	

CLASSIFICATION BY ACTIVITY, COMMODITY, SCIENCE, AND RESEARCH PROBLEM AREA							
ACTIVITY		COMMODITY		SCIENCE		RESEARCH PROBLEM AREA	PRODUCT OF (2) X (4) X (6)
CODE (1)	% (2)	CODE (3)	% (4)	CODE (5)	% (6)	CODE (7)	% (8)
36.							
37.							
38.							
39.							
40.							
41.							
42.							
43.							
44.							
45.							
46.							
47.							

SPECIAL CLASSIFICATION

Fields 48-77 are used to identify special areas of research such as Pollution, Health and Medical, Tobacco-Health, Weather, Nuclear Radiation, Poverty, Natural Beauty, Sub-Commodities, Pesticide Targets, Water Resources, Energy, Home Economics, Sub-Activities (SEA/AR) and Special Research Programs (SEA/AR). Refer to your agency manual for specific codes and instructions.

CODE	%	CODE	%	CODE	%	CODE	%	CODE	%
48.		54.		60.		66.		72.	
49.		55.		61.		67.		73.	
50.		56.		62.		68.		74.	
51.		57.		63.		69.		75.	
52.		58.		64.		70.		76.	
53.		59.		65.		71.		77.	

79. COOPERATORS A <input type="checkbox"/> USDA B <input type="checkbox"/> Other Federal Agencies C <input type="checkbox"/> Industry and other D <input type="checkbox"/> State	COOPERATING DEPARTMENTS WITHIN STATE PERFORMING INSTITUTION 80. 81. 82.
83. REPORTING DEPARTMENT WITHIN STATE PERFORMING INSTITUTION	

U.S. DEPARTMENT OF AGRICULTURE RESEARCH WORK UNIT/PROJECT DESCRIPTION—RESEARCH FUNDS AND MANPOWER U.S. DEPARTMENT OF AGRICULTURE USE ONLY	DATE (Day, mo., yr.) _____
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1 ACCESSION NO.	AGENCY IDENTIFICATION NO. <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">2</div> <div style="width: 20%;">3</div> <div style="width: 20%;">4</div> </div>	5 WORK UNIT/PROJECT NO.	22-23 REGIONAL PROJECT NO.
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7 TITLE

ALLOCATION OF RESEARCH FUNDS TO WORK UNIT/PROJECT AT LOCATION	FIELD NUMBER	FY ACTUAL \$
FEDERAL RESEARCH FUNDS USDA APPROPRIATIONS		
Regular, In House	(101) . .	
Regular, Contracts, Grants, Agreements with AES	(102) . .	
Regular, Contracts, Grants, Agreements with Others	(103) . .	
Forest Service Research Contracts	(106) . .	
Other USDA (Identify): _____	(107) . .	
TOTAL		(131) . .
OTHER FEDERAL RESEARCH FUNDS		
Department of Energy	(310) . .	
Agency for International Development	(308) . .	
Department of Defense	(311) . .	
National Institutes of Health	(316) . .	
Public Health Service	(312) . .	
Health and Human Services	(313) . .	
National Aeronautics and Space Administration	(314) . .	
Tennessee Valley Authority	(315) . .	
Foreign Agricultural Research (PL 480)	(117) . .	
Other Federal Funds (Identify): _____	(318) . .	
TOTAL		(332) . .
NON-FEDERAL RESEARCH FUNDS		
Trust Funds, In House	(120) . .	
Trust Funds, Contracts, Grants, Agreements with AES	(121) . .	
Trust Funds, Contracts, Grants, Agreements with Others	(122) . .	
Other Non-Federal Funds (Identify): _____	(123) . .	
TOTAL		(133) . .
TOTAL ALL RESEARCH FUNDS AT LOCATION		(134) . .
STAFF SUPPORT		STAFF EFFORT—ACTUAL (years)
FEDERALLY EMPLOYED STAFF SUPPORT (Report nearest 0.1)		
Scientists (GS-11 and above)	(141) . .	
Professional Support	(142) . .	
Technical Support	(143) . .	
Clerical, Labor and Other	(144) . .	
TOTAL STAFF YEARS		(350) . .

SUBMITTED BY	TITLE
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UNITED STATES DEPARTMENT OF AGRICULTURE RESEARCH WORK UNIT/PROJECT DESCRIPTION – RESEARCH FUNDS AND STAFF SUPPORT FOR STATE AND OTHER NON-FEDERAL INSTITUTION USE	DATE (Day, mo., year)
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1. ACCESSION NO.	2. AGENCY IDENTIFICATION NO.	3.	4.	5. WORK UNIT/PROJECT NO.	22-23. REGIONAL PROJECT NO.	TYPE/GRANT NO.
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7. TITLE

ALLOCATION OF RESEARCH FUNDS TO WORK UNIT/PROJECT AT LOCATION <small>(Round to nearest whole dollar)</small>	FIELD NUMBER	FY ACTUAL \$
FEDERAL RESEARCH FUNDS CSRS ADMINISTERED		
Hatch Funds	(201)	
Regional Research Funds	(202)	
McIntire Stennis Funds	(203)	
Grants for Research (PL89-106)		
<input type="checkbox"/> Special Grants <input type="checkbox"/> Competitive Grants	(204)	
Other Funds		
<input type="checkbox"/> Animal Health Sec. 1433 <input type="checkbox"/> Alcohol Fuels Sec. 1419		
<input type="checkbox"/> 1890/Tuskegee Sec. 1445 <input type="checkbox"/> Rural Development Title V		
<input type="checkbox"/> Native Latex PL95-592 <input type="checkbox"/> Other (Identify):	(205)	
TOTAL —————→	(231)	
OTHER FEDERAL RESEARCH FUNDS		
USDA Contracts Grants Co-op Agreements (Identify Agency):	(219)	
National Science Foundation	(209)	
Department of Energy	(310)	
Agency for International Development	(308)	
Department of Defense	(311)	
National Institutes of Health	(316)	
Public Health Service	(312)	
Health and Human Services	(313)	
National Aeronautics and Space Administration	(314)	
Tennessee Valley Authority	(315)	
Other Federal Funds (Identify): \$		
CSRS Administered "Pass Through" Funds		
AID Nitrogen Fixation		
EPA Strip Mine Reclamation		
Department of Energy		
Forest Service		
Other (Identify):	(318)	
TOTAL —————→	(332)	
NON-FEDERAL RESEARCH FUNDS		
State Appropriations	(220)	
Sale of Products	(221)	
Industry Grants and Agreements	(222)	
Other Non-Federal Funds	(223)	
TOTAL —————→	(233)	
TOTAL ALL RESEARCH FUNDS AT LOCATION —————→		
	(234)	
STAFF SUPPORT		
NON-FEDERALLY EMPLOYED STAFF SUPPORT (Report nearest 0.1)		
Scientists (Assistant Professor and above)	(241)	
Professional Support	(242)	
Technical Support	(243)	
Clerical, Labor, and Other	(244)	
TOTAL STAFF YEARS —————→	(350)	

SUBMITTED BY (Signature)	TITLE
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CLASSIFICATION CODESHEET FOR REPORT OF AGRICULTURAL RESEARCH

Commodity, Resource or Technology not
Associated with Specific Commodities

Commodities or Resources

0100	Soil and land
0200	Water
0300	Watersheds and river basins
0400	Air and climate
0500	Recreation resources
0600	Trees, forests, and forest products [excluding edible tree nut crops (see 1015), and tung (see 2560)]
0700	Range
0800	Fish, shellfish, game and fur-bearing animals and other wildlife and their habitats
0900	Citrus and subtropical fruit
1000	Deciduous and small fruits and edible tree nuts
1100	Potatoes
1200	Vegetables
1300	Ornamentals and turf
1400	Corn (includes popcorn) - (for sweetcorn see 1280)
1500	Grain sorghum
1600	Rice
1700	Wheat
1800	Other small grains
1900	Pasture
2000	Forage crops
2100	Cotton (including cottonseed for planting purposes)
2200	Cottonseed (for meal, oil, etc.)
2300	Soybeans
2400	Peanuts
2500	Other oilseed and oil crops (excluding cottonseed)
2600	Tobacco
2700	Sugar crops
2800	Miscellaneous and new crops
2900	Poultry
3000	Beef cattle
3100	Dairy cattle
3200	Swine
3300	Sheep and wool
3400	Other animals (see 0850 for fur-bearing animals)
3500	Bees and honey and other pollinating insects
3600	General purpose supplies - includes: machinery, equipment, fertilizers, feedstuffs, and pesticides
3700	Clothing and textiles
3800	Food (not readily associated with specific plants and animal products)
3900	Structures and facilities

Commodities or Resources

4000	People as individual workers, consumers and members of society
4100	The family and its members
4200	The farm as a business enterprise
4300	Communities, areas and regions, including countries and States and their institutions
4400	Agricultural economy of United States and sectors thereof, including interrelationships with the total economy
4500	Agricultural economy of foreign countries and sectors thereof, including interrelationships with the total economy
4600	Farmer cooperatives
4700	Marketing, processing and supply firms other than cooperatives
4800	Marketing systems and sectors thereof
6100	Weeds
6200	Seed research
6300	Biological cell systems
6400	Experimental design and statistical methods
6500	Invertebrates (including insects, mites, ticks, snails, slugs, and leeches)
6600	Microorganisms, viruses, etc.
6700	Plants
6800	Animals (vertebrates)
6900	Research on research management (not research management <u>per se</u>)
7000	Research equipment and technology (such as remote sensing)

RESEARCH PROBLEM AREAS (RPA's)

GOAL I: INSURE A STABLE AND PRODUCTIVE AGRICULTURE FOR THE FUTURE THROUGH WISE MANAGEMENT OF NATURAL RESOURCES

- 101 Appraisal of Soil Resources
- 102 Soil, Plant, Water, Nutrient Relationships
- 103 Management of Saline and Sodic Soils and Salinity
- 104 Alternative Uses of Land
- 105 Conservation and Efficient Use of Water

- 106 Efficient Drainage and Irrigation Systems and Facilities
- 107 Watershed Protection and Management
- 108 Economic and Legal Problems in Management of Water and Watersheds
- 109 Adaptation to Weather and Weather Modification
- 110 Appraisal of Forest and Range Resources

- 111 Biology, Culture and Management of Forests and Timber-Related Crops
- 112 Improvement of Range Resources
- 113 Remote Sensing
- 114 Research on Management of Research

GOAL II: PROTECT FORESTS, CROPS AND LIVESTOCK FROM INSECTS, DISEASES AND OTHER HAZARDS

- 201 Control of Insects Affecting Forests
- 202 Control of Diseases, Parasites and Nematodes Affecting Forests
- 203 Prevention and Control of Forest and Range Fires
- 204 Control of Insects, Mites, Slugs and Snails on Fruit and Vegetable Crops
- 205 Control of Diseases and Nematodes of Fruit and Vegetable Crops

- 206 Control of Weeds and Other Hazards to Fruit and Vegetable Crops
- 207 Control of Insects, Mites, Snails and Slugs Affecting Field Crops and Range
- 208 Control of Diseases and Nematodes of Field Crops and Range
- 209 Control of Weeds and Other Hazards of Field Crops and Range
- 210 Control of Insects and External Parasites Affecting Livestock, Poultry and Other Animals

**GOAL II: PROTECT FORESTS, CROPS AND LIVESTOCK FROM INSECTS,
DISEASES AND OTHER HAZARDS (Continued)**

- 211 Control of Diseases of Livestock, Poultry and Other Animals
- 212 Control of Internal Parasites of Livestock, Poultry and Other Animals
- 213 Protect Livestock, Poultry and Other Animals from Toxic Chemicals, Poisonous Plants, and Other Hazards
- 214 Protection of Plants, Animals and Man from Harmful Effects of Pollution

**GOAL III: PRODUCE AN ADEQUATE SUPPLY OF FARM AND FOREST
PRODUCTS AT DECREASING REAL PRODUCTION COSTS**

- 301 Genetics and Breeding of Forest Trees
- 302 New and Improved Forest Engineering Systems
- 303 Economics of Timber Production
- 304 Improvement of Biological Efficiency of Fruit and Vegetable Crops
- 305 Mechanization of Fruit and Vegetable Crop Production
- 306 Production Management Systems for Fruits and Vegetables
- 307 Improvement of Biological Efficiency of Field Crops
- 308 Mechanization of Production of Field Crops
- 309 Production Management Systems for Field Crops
- 310 Reproductive Performance of Livestock, Poultry and Other Animals
- 311 Improvement of Biological Efficiency in Production of Livestock, Poultry and Other Animals
- 312 Environmental Stress in Production of Livestock, Poultry and Other Animals
- 313 Production Management Systems for Livestock, Poultry and Other Animals
- 314 Bees and Other Pollinating Insects
- 315 Improvement of Structures, Facilities and General Purpose Farm Supplies and Equipment
- 316 Farm Business Management
- 317 Mechanization and Structures Used in Production of Livestock, Poultry and Other Animals
- 318 Non-Commodity-Oriented Biological Technology and Biometry

**GOAL IV: EXPAND THE DEMAND FOR FARM AND FOREST PRODUCTS BY
DEVELOPING NEW AND IMPROVED PRODUCTS AND PROCESSES
AND ENHANCING PRODUCT QUALITY**

- 401 New and Improved Forest Products
- 402 Production of Fruit and Vegetable Crops with Improved Acceptability
- 403 New and Improved Fruit and Vegetable Products and Byproducts
- 404 Quality Maintenance in Storing and Marketing Fruits and Vegetables
- 405 Production of Field Crops with Improved Acceptability
- 406 New and Improved Food Products from Field Crops
- 407 New and Improved Feed, Textile and Industrial Products from Field Crops
- 408 Quality Maintenance in Storing and Marketing Field Crops
- 409 Production of Animal Products with Improved Acceptability
- 410 New and Improved Meat, Milk, Eggs and Other Animal Food Products
- 411 New and Improved Non-Food Animal Products
- 412 Quality Maintenance in Marketing Animal Products

GOAL V: IMPROVE EFFICIENCY IN THE MARKETING SYSTEM

- 501 Improvement of Grades and Standards--Crop and Animal Products
- 502 Development of Markets and Efficient Marketing of Timber and Related Products
- 503 Efficiency in Marketing Agricultural Products and Production Inputs
- 506 Supply, Demand and Price Analysis--Crop and Animal Products
- 507 Competitive Interrelationships in Agriculture
- 508 Development of Domestic Markets for Farm Products
- 509 Performance of Marketing Systems
- 510 Group Action and Market Power
- 511 Improvement in Agricultural Statistics
- 512 Improvement of Grades and Standard of Forest Products
- 513 Supply, Demand and Price Analysis - Forest Products

GOAL VI: EXPAND EXPORT MARKETS AND ASSIST DEVELOPING NATIONS

- 601 Foreign Market Development
- 602 Evaluation of Foreign Food Aid Programs
- 603 Technical Assistance to Developing Countries
- 604 Product Development and Marketing for Foreign Markets

GOAL VII: PROTECT CONSUMER HEALTH AND IMPROVE NUTRITION AND WELL-BEING OF THE AMERICAN PEOPLE

- 701 Insure Food Products Free of Toxic Contaminants Including Residues from Agricultural Sources
- 702 Protect Food and Feed Supplies from Harmful Microorganisms and Naturally Occurring Toxins
- 703 Food Choices, Habits and Consumption
- 704 Home and Commercial Food Service
- 705 Selection and Care of Clothing and Household Textiles

- 706 Control of Insect Pests of Man and His Belongings
- 707 Prevent Transmission of Animal Diseases and Parasites to Man
- 708 Human Nutrition
- 709 Reduction of Hazards to Health and Safety

GOAL VIII: ASSIST RURAL AMERICANS TO IMPROVE THEIR LEVEL OF LIVING

- 801 Housing
- 802 Individual and Family Decision Making and Resource Use and Family Functioning
- 803 Causes of Poverty Among Rural People
- 804 Improvement of Economic Potential of Rural People
- 805 Communication and Education Processes

- 806 Individual and Family Adjustment to Change
- 807 Structural Changes in Agriculture
- 808 Government Programs to Balance Farm Output and Market Demand

GOAL IX: PROMOTE COMMUNITY IMPROVEMENT INCLUDING DEVELOPMENT OF BEAUTY, RECREATION, ENVIRONMENT, ECONOMIC OPPORTUNITY, AND PUBLIC SERVICES

- 901 Alleviation of Soil, Water and Air Pollution and Disposal of Wastes
- 902 Outdoor Recreation
- 903 Multiple Use Potential of Forest Land and Evaluation of Forestry Programs
- 904 Fish and Other Marine Life, Fur-Bearing Animals and Other Wildlife
- 905 Trees to Enhance Rural and Urban Environment

- 906 Culture and Protection of Ornamentals and Turf
- 907 Improved Income Opportunities in Rural Communities
- 908 Improvement of Rural Community Institutions and Services

RESEARCH PROGRAM GROUP (RPG)/RESEARCH PROGRAM (RP)

RPG 1.00 NATURAL RESOURCES

- RP 1.01 Soil and Land Use
- RP 1.02 Water and Watersheds
- RP 1.03 Recreation
- RP 1.04 Environmental Quality
- RP 1.05 Weather Modification for Agriculture and Forestry
- RP 1.06 Fish and Wildlife
- RP 1.07 Remote Sensing
- RP 1.08 Aquatic Weeds
- RP 1.09 Natural Resources - General

RPG 2.00 FOREST RESOURCES

- RP 2.01 Inventory and Appraisal of Forest Resources
- RP 2.02 Timber Management
- RP 2.03 Forest Protection
- RP 2.04 Harvesting, Processing and Marketing Forest Products
- RP 2.05 Forest Watersheds, Soils, Pollution
- RP 2.06 Forest Range Wildlife and Fisheries Habitat Development
- RP 2.07 Forest Recreation and Aesthetics and other Landscape Values
- RP 2.08 Alternative Uses of Land
- RP 2.09 Technical Assistance
- RP 2.10 Trees, Forests and Forest Products - General
- RP 2.11 Forest and Range Resources

RPG 3.00 CROPS (Field and Horticultural)

- RP 3.01 Corn
- RP 3.02 Grain Sorghum
- RP 3.03 Wheat
- RP 3.04 Small Grains other than Wheat
- RP 3.05 Rice
- RP 3.06 Soybeans
- RP 3.07 Peanuts
- RP 3.08 Sugar
- RP 3.09 Forage, Range, and Pasture
- RP 3.10 Cotton
- RP 3.11 Tobacco
- RP 3.12 New Crops and Minor Oilseeds
- RP 3.13 Fruit
- RP 3.14 Vegetable Crops
- RP 3.15 Plants to Enhance the Environment
- RP 3.16 Bees and other Pollinating Insects
- RP 3.17 Weeds in Crops
- RP 3.18 Seeds
- RP 3.19 Nonspecific - Plants

RESEARCH PROGRAM GROUP (RPG)/RESEARCH PROGRAM (RP)

RPG 4.00 ANIMALS

- RP 4.01 Beef
- RP 4.02 Dairy
- RP 4.03 Poultry
- RP 4.04 Sheep
- RP 4.05 Swine
- RP 4.06 Other Animals (Horses, Goats, Pets, Laboratory, etc.)
- RP 4.07 Aquatic Food and Feedstuffs
- RP 4.08 Nonspecific - Animals
- RP 4.09 Invertebrates

RPG 5.00 PEOPLE, COMMUNITIES, AND INSTITUTIONS INCLUDING RURAL DEVELOPMENT

- RP 5.01 Individuals and Families
- RP 5.02 Living Environment
- RP 5.03 Communities, Institutions and Services
- RP 5.04 Insects Affecting Man and his Belongings
- RP 5.05 Research on Administration of Research

RPG 6.00 COMPETITION, TRADE, ADJUSTMENT, PRICE AND INCOME POLICY

- RP 6.01 Farm Adjustment, Prices and Income
- RP 6.02 Foreign Agricultural Trade and Economic Development
- RP 6.03 Marketing and Competition

RPG 7.00 GENERAL RESOURCE OR TECHNOLOGY

- RP 7.01 Manmade Resources
- RP 7.02 Technology not Associated with Specific Commodities,
Resources of RPGs

RPG 8.00 FOOD SCIENCE AND HUMAN NUTRITION

- RP 8.01 Human Nutrition
- RP 8.02 Food Processing
- RP 8.03 Food Safety
- RP 8.04 Food Storage, Distribution and Marketing
- RP 8.05 Food Service

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

NATIONAL TOTAL USOA - SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	1348	527.8	38,809,429	95,513,081	*	*
0200 WATER	887	331.8	24,588,903	59,202,416	*	*
0300 WATERSHEDS RIVER BAS	282	133.2	17,732,709	24,514,125	*	*
0400 AIR AND CLIMATE	140	45.7	2,169,371	8,888,259	*	*
0500 RECREATION RESOURCES	148	57.1	3,720,244	8,202,784	*	*
0600 TIMBER FORST PRODUCT	2033	1178.3	133,750,321	223,289,267	*	*
0700 RANGE	419	208.3	17,932,858	32,939,583	*	*
0800 WILDLIFE AND FISH	519	317.2	21,298,786	87,262,784	*	*
0800 CITRUS SUB TROP FRUIT	404	185.1	18,280,451	36,285,332	*	*
1000 FRUIT NUTS DECIDUOUS	1170	445.8	33,726,528	88,909,446	*	*
1100 POTATOES	420	137.5	11,803,423	25,748,786	*	*
1200 VEGETABLES	1589	576.6	39,773,115	105,939,979	*	*
1300 ORNAMENTALS TURF	610	232.7	10,874,786	41,920,319	*	*
1400 CORN	1114	357.5	32,030,721	86,204,910	*	*
1500 GRAIN SORGHUM	358	83.5	4,044,667	15,314,485	*	*
1600 RICE	188	69.8	4,102,981	13,824,462	*	*
1700 WHEAT	907	330.4	27,607,489	56,596,643	*	*
1800 OTHER SMALL GRAINS	454	116.4	7,167,771	21,027,206	*	*
1900 PASTURE	165	45.5	4,283,386	7,905,583	*	*
2000 FORAGE CROPS	994	328.2	25,634,394	57,774,310	*	*
2100 COTTON	476	286.7	34,073,317	51,031,883	*	*
2200 COTTONSEED	24	17.0	2,546,328	2,730,263	*	*
2300 SOYBEANS	1055	381.9	32,996,276	66,512,857	*	*
2400 PEANUTS	195	78.0	6,646,644	14,443,449	*	*
2500 OTHER OILSEED CROPS	151	43.3	4,076,198	8,300,774	*	*
2800 TOBACCO	188	84.7	6,687,186	18,008,179	*	*
2700 SUGAR CROPS	177	91.7	11,364,596	17,723,196	*	*
2800 MISC NEW CROPS	227	70.4	7,888,930	14,492,142	*	*
2900 POULTRY	850	372.4	30,125,473	75,836,710	*	*
3000 BEEF CATTLE	1840	841.9	51,316,984	152,048,657	*	*
3100 DAIRY CATTLE	1398	475.0	40,028,380	118,443,106	*	*
3200 SWINE	884	266.9	32,617,910	74,707,030	*	*
3300 SHEEP AND WOOL	482	143.3	12,676,598	32,338,005	*	*
3400 OTHER ANIMALS	840	219.8	7,745,767	47,434,916	*	*
3500 BEES AND HONEY	61	42.5	4,203,160	6,014,518	*	*
3800 FARM SUPP & FACILITS	89	35.9	2,292,241	5,713,889	*	*
3700 CLOTHING & TEXTILES	100	21.8	938,567	3,228,714	*	*
3800 FOOD	531	230.8	25,952,252	52,414,582	*	*
3900 HOUSING & EQUIP	181	51.2	2,865,649	8,587,554	*	*
4000 PEOPLE AS INDIVIDUALS	697	250.1	46,479,519	89,142,008	*	*
4100 FAMILY MEMBERS	289	85.8	4,881,345	12,287,131	*	*
4200 FARM AS BUSINESS	223	82.1	3,100,350	9,925,737	*	*
4300 SOC POLIT ORGANIZ	384	151.5	8,061,843	22,859,808	*	*
4400 AGRIC ECONOMY U S	191	126.0	11,967,195	17,484,404	*	*
4500 AGRIC ECONOMY FORGN	83	120.5	12,520,821	18,001,158	*	*
4600 FARM COOPERATIVES	40	22.7	2,175,239	2,888,289	*	*
4700 OTH MARKET PROCESS	26	3.4	204,494	548,116	*	*
4800 MARKETING SYSTEMS	98	35.7	2,879,661	5,023,881	*	*
6100 WEEDS	194	62.8	6,505,689	12,059,345	*	*
6200 SEED RESEARCH	66	31.4	1,902,785	6,416,897	*	*
6300 BIO CELL SYSTEMS	314	130.8	5,782,748	28,413,384	*	*
6400 EXP DESIGN/STAT METHOD	115	41.5	490,552	7,073,560	*	*
6500 INVERTEBRATES	605	247.6	20,795,594	42,478,314	*	*
6600 MICROORGANISMS VIRUSES	677	213.8	18,071,522	48,196,104	*	*
6700 PLANTS	1187	459.7	50,062,269	96,772,350	*	*
6800 ANIMALS(VERTEBRATES)	512	281.7	7,373,578	51,802,031	*	*
6900 RESEARCH ON RSCH MGMT	53	35.0	1,399,983	9,874,939	*	*
7000 RSCH EQUIP & TECHNOLOGY	156	53.7	3,127,489	11,417,541	*	*
9900 UNCLASSIFIED	2	3.8	432,801	546,782	*	*
TOTAL		11726.1	1,004,346,055	2,301,183,900	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

NATIONAL TOTAL USOA - SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 100						
101 APPRAIS OF SOIL RESOR	251	83.5	3,510,307	17,027,236	*	*
102 SOIL PLNT WTR NUTRI	1016	445.5	34,930,872	81,388,330	*	*
103 MGMT OF SALINE SOILS	89	28.9	2,380,503	6,136,891	*	*
104 ALTERN USE OF LAND	156	56.4	4,534,803	8,489,085	*	*
105 CONSERV USE OF WATER	427	189.9	14,085,341	28,817,026	*	*
106 DRAIN AND IRRIGATION	149	89.1	4,483,831	13,874,844	*	*
107 WATERSHED PROT & MGMT	313	194.9	25,941,105	34,402,488	*	*
108 ECON LEG PROB OF WAT	75	29.9	1,506,475	4,182,789	*	*
109 WEATHER ADAPT & MOD	170	59.5	2,429,362	9,593,923	*	*
110 APPRAIS FORST & RANGS	176	101.5	15,285,541	21,430,472	*	*
111 BIOL CULT MGMT FORSTS	556	322.6	29,072,358	54,372,804	*	*
112 IMPROV RANGE RESOR	282	115.2	9,942,319	18,586,562	*	*
113 REMOTE SENSING	88	38.4	3,717,835	6,838,483	*	*
114 RSCH ON MGMT OF RSCH	53	35.0	1,399,983	9,874,939	*	*
SUBTOTAL		1782.0	153,180,436	314,625,650	*	*
SERIES 200						
201 CNTRL FORST INSECTS	282	129.5	18,144,910	24,847,802	*	*
202 CONTROL FOREST DIS	200	81.7	10,537,566	15,738,994	*	*
203 FOREST FIRE PROTECT	48	43.5	6,486,800	7,226,889	*	*
204 CNTR PESTS FRT & VEGS	581	212.5	20,153,235	42,498,885	*	*
205 CNTR DISE FRT & VEG	898	317.7	20,820,707	57,899,296	*	*
206 CNTR WEEDS FRT & VEG	204	49.8	3,437,826	9,198,053	*	*
207 CNTR PESTS FLD CROPS	833	381.0	33,916,726	61,478,960	*	*
208 CNTR DIS FIELD CROPS	922	343.1	24,967,033	58,708,494	*	*
209 CNTR WEEDS FLD CROPS	452	186.7	15,027,712	34,058,559	*	*
210 CNTR PESTS ANIMALS	209	101.2	10,589,949	16,610,902	*	*
211 CNTR DIS ANIMALS	1449	731.1	50,079,240	151,210,580	*	*
212 CNTR INTER PARASITES	159	72.6	8,524,793	13,885,053	*	*
213 PROT ANMLS FROM TOXINS	141	122.3	5,598,890	21,990,726	*	*
214 PROTECT FROM POLLUTION	257	97.5	9,813,726	26,243,247	*	*
SUBTOTAL		2849.9	237,859,114	541,386,219	*	*
SERIES 300						
301 GENET BREED FORST TRE	155	76.1	6,550,532	16,617,035	*	*
302 IMP FOREST ENG SYS	74	41.2	4,050,880	6,904,352	*	*
303 ECON TIMBER PRODUCTN	96	38.8	2,896,643	6,388,831	*	*
304 IMP BID EFF FRT & VEGS	1159	410.1	31,271,093	85,829,816	*	*
305 MECH PROD FRT & VEGS	99	28.8	1,519,221	5,462,058	*	*
306 PROD MGMT SYS F & V	138	27.3	1,029,126	5,725,002	*	*
307 IMP BID EFF FLD CRP	1668	799.6	84,845,979	155,032,680	*	*
308 MECH PROD FIELD CROPS	119	45.8	3,503,404	7,866,483	*	*
309 PROD MGMT SYS FLD CRP	429	137.0	9,155,856	23,187,430	*	*
310 ANIMAL REPRODUCTION	888	248.8	21,490,447	69,379,554	*	*
311 IMP BID EFF ANML PR	1358	572.2	44,531,291	160,703,552	*	*
312 ENV STRESS IN ANML PR	198	84.4	4,008,582	13,312,436	*	*
313 PROD MGMT SYS ANML PR	286	75.1	3,917,268	18,371,828	*	*
314 BEES OTH POLLNTNG INS	51	42.5	4,203,180	6,014,518	*	*
315 IMP STRUC FARM SUPP	85	38.4	1,318,227	5,159,930	*	*
316 FARM BUSINESS MGMT	167	58.2	2,094,635	6,970,276	*	*
317 MECH/STRUCTS ANML PROD	31	6.7	240,067	1,330,958	*	*
318 NON COM BID TECH/BIMET	1806	767.9	62,187,085	168,269,831	*	*
SUBTOTAL		3479.0	268,615,297	763,316,578	*	*
SERIES 400						
401 NEW IMP FOREST PROD	344	197.9	24,102,859	40,714,803	*	*
402 PROD F & V IMP ACCEPT	328	75.5	6,392,371	14,862,639	*	*
403 NEW & IMP F & V PROD	185	85.9	5,800,487	14,528,426	*	*
404 MKT QUAL FRTS & VEGS	255	152.4	16,130,277	24,589,005	*	*
405 PROD FLD CROP IMP ACPT	364	171.2	16,851,283	32,895,270	*	*
406 NEW IMP FOOD FLD CROP	175	84.8	7,758,697	15,157,790	*	*
407 NEW IMP NON FOOD FC	133	115.2	16,852,029	21,107,119	*	*
408 MKT QUAL FIELD CROPS	137	75.3	8,836,695	12,193,522	*	*
409 PROD ANML PR IMP ACCP	159	51.2	4,343,514	13,600,638	*	*
410 IMP MEAT MILK EGG PR	252	122.4	7,787,724	21,472,628	*	*
411 IMP NON FOOD ANML PR	25	18.4	2,477,139	3,084,048	*	*
412 MKT QUAL ANIMAL PROD	93	27.4	2,093,208	5,484,036	*	*
SUBTOTAL		1177.4	118,826,382	219,669,924	*	*
SERIES 500						
501 IMP GRADES & STANDS	85	28.9	3,427,759	4,753,450	*	*
502 MKTG TIMBER PRODUCTS	39	10.2	819,154	1,460,757	*	*
503 MKTG EFF AGRI PRODS	180	52.6	3,488,348	7,972,895	*	*
506 SPLY DEMAND AND PRIC	246	122.4	10,889,325	17,913,697	*	*
507 COMP REL IN AGRIC	62	19.7	1,871,939	3,188,298	*	*
508 DOMESTIC MKT DEVELOP	53	17.1	1,329,307	2,895,323	*	*
509 PERFORMANCE MKTG SYS	192	79.5	6,899,710	11,016,019	*	*
510 GROUP ACT MKT POWER	25	10.4	784,518	1,395,175	*	*
511 IMP AGRIC STATISTICS	36	8.8	212,959	2,280,797	*	*
512 IMP GRADES FRST PROD	17	9.9	900,141	1,233,380	*	*
513 PRICE ANAL FRST PROD	37	25.0	2,938,178	3,840,292	*	*
SUBTOTAL		382.5	33,622,338	57,932,084	*	*
SERIES 600						
601 FGN MKT DEVELOP	142	136.6	15,714,942	20,093,836	*	*
602 EVAL FGN FOOD AID PGM	4	1.1	34,817	358,777	*	*
603 TECH AID DEV CRTV	60	32.7	397,177	10,216,008	*	*
604 PROD OYLPMT/MKTG FRGN	33	9.1	907,380	1,885,047	*	*
SUBTOTAL		179.6	17,054,317	32,553,668	*	*
SERIES 700						
701 TOX RES IN FOOD	179	59.7	7,565,143	12,362,036	*	*
702 FOOD PROT FROM TOX	218	130.3	14,189,129	24,679,773	*	*
703 FOOD CONSUMP HABITS	180	56.2	10,120,840	14,240,889	*	*
704 HOME COMM FOOD SERV	31	8.7	351,123	1,215,487	*	*
705 SEL CARE CLOTH & TEXTL	83	16.1	865,708	2,423,556	*	*
706 CONTR INSECTS AFF MAN	140	59.3	4,253,477	9,981,948	*	*
707 TRANS ANIML MAN DIS	46	15.2	213,263	2,979,452	*	*
708 HUMAN NUTRITION	519	229.7	50,819,816	75,489,809	*	*
709 REDUCE HAZ HLTH & SFTY	92	38.7	6,044,580	8,244,051	*	*
SUBTOTAL		613.9	94,302,879	151,616,991	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

NATIONAL TOTAL USDA - SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 800						
801 RURAL HOUSING	80	18.5	1,556,737	2,789,052	*	*
802 INDIV & FAM DEC MAKING	207	57.4	1,816,963	5,750,043	*	*
803 RURAL POVERTY	26	5.2	156,209	807,973	*	*
804 ECON POTENT RURL PED	105	35.3	2,823,726	4,110,423	*	*
805 COMMUNICAT EDUC PROC	124	40.7	1,280,509	5,992,730	*	*
806 ADJUSTMENT TO CHANGE	201	58.1	3,212,556	8,756,266	*	*
807 AGRIC ECONOMIC CHANGE	189	100.0	7,196,129	13,223,163	*	*
808 GOV'T PROGRAMS	89	31.9	2,337,997	4,452,056	*	*
SUBTOTAL		348.3	20,180,826	46,863,707	*	*
SERIES 900						
901 ALLEY POLLUTION	521	216.4	15,550,163	42,219,943	*	*
902 OUTDOOR RECREATION	142	55.9	3,380,153	7,862,610	*	*
903 MULTI USE FOREST POTEN	109	35.2	2,433,012	5,308,976	*	*
904 WILDLFE AND FISH ECOL	708	284.2	20,417,829	59,984,882	*	*
905 TREES BEAUTIFICATION	118	32.0	4,235,061	7,249,067	*	*
906 ORNAMENT & TURF DEV	562	211.3	8,712,526	35,960,842	*	*
907 RURAL INCOME IMP	115	41.0	2,297,063	5,424,889	*	*
908 RURAL INSTITUT IMP	185	53.7	3,585,858	7,661,507	*	*
990 UNCLASSIFIED	2	3.8	432,801	546,782	*	*
SUBTOTAL		933.6	81,024,468	173,219,077	*	*
SCIENCE IN SERV OF MAN						
GRAND TOTAL		11726.1	1,004,346,055	2,301,183,900	*	*

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

NATIONAL TOTAL SAES - USDA

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CERS ADMSTRD (GRDSS) 1988	TOTAL FUNDS (GRDSS) 1988	USDA CDN/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	1291	513.4	37,941,881	93,289,366	*	*
0200 WATER	839	323.2	24,234,481	57,397,210	*	*
0300 WATERSHEDS RIVER BAS	263	125.2	17,352,642	22,997,180	*	*
0400 AIR AND CLIMATE	127	41.4	2,042,195	7,408,267	*	*
0500 RECREATION RESOURCES	114	50.7	3,565,933	7,328,482	*	*
0600 TIMBER FORST PRDDUCT	1575	878.6	129,041,424	190,152,504	*	*
0700 RANGE	403	201.9	17,679,077	32,190,114	*	*
0800 WILDLIFE AND FISH	892	277.4	19,578,462	60,905,640	*	*
0900 CITRUS SUB TROP FRUT	401	188.4	18,171,443	36,176,323	*	*
1000 FRUIT NUTS DECIDUDUS	1163	443.4	33,450,761	88,612,969	*	*
1100 POTATOES	419	137.2	11,755,248	25,700,125	*	*
1200 VEGETABLES	1554	548.7	36,489,626	102,627,385	*	*
1300 ORNAMENTALS TURF	607	230.6	10,698,407	41,723,857	*	*
1400 CORN	1099	356.0	31,377,275	65,529,286	*	*
1500 GRAIN SDRGHUM	353	82.8	3,962,506	15,129,807	*	*
1600 RICE	188	69.8	4,102,981	13,824,462	*	*
1700 WHEAT	900	329.5	27,406,177	56,394,164	*	*
1800 DTHR SMALL GRAINS	448	115.0	6,987,617	20,828,989	*	*
1900 PASTURE	184	45.1	4,214,894	7,837,090	*	*
2000 FORAGE CRDPS	981	324.8	25,170,264	57,247,646	*	*
2100 COTTON	474	286.7	33,894,450	50,852,996	*	*
2200 COTTONSEED	24	17.0	2,545,328	2,730,263	*	*
2300 SOYBEANS	1030	383.2	30,986,825	64,344,139	*	*
2400 PEANUTS	192	75.5	6,542,673	14,121,159	*	*
2500 DTHR OILSEED CRDPS	148	42.2	3,950,510	8,174,466	*	*
2600 TOBACCO	186	84.1	6,598,431	17,653,424	*	*
2700 SUGAR CROPS	175	91.1	11,250,914	17,606,752	*	*
2800 MISC NEW CRDPS	223	68.7	7,747,903	14,334,655	*	*
2900 POULTRY	762	336.1	28,480,495	68,538,980	*	*
3000 BEEF CATTLE	1459	551.8	49,689,022	134,675,835	*	*
3100 DAIRY CATTLE	1220	425.9	38,858,073	108,685,818	*	*
3200 SWINE	737	251.5	31,325,700	86,940,458	*	*
3300 SHEEP AND WODL	429	118.4	12,363,468	27,711,850	*	*
3400 OTHER ANIMALS	337	88.5	4,964,722	21,191,140	*	*
3500 BEES AND HDNEY	61	42.5	4,203,160	6,014,518	*	*
3600 FARM SUPP & FACILITS	87	35.4	2,117,542	5,539,190	*	*
3700 CLDTHING & TEXTILES	88	18.2	562,298	2,852,455	*	*
3800 FDDD	511	222.6	25,086,486	51,524,495	*	*
3900 HDUSING & EQUIP	151	48.8	2,514,407	8,236,312	*	*
4000 PEDPLE AS INDIVIDUALS	649	227.4	44,358,841	65,751,703	*	*
4100 FAMILY MEMBERS	272	79.5	4,141,318	11,503,966	*	*
4200 FARM AS BUSINESS	216	79.3	2,733,620	9,553,413	*	*
4300 SDC POLIT ORGANIZ	360	140.5	6,832,924	21,470,166	*	*
4400 AGRIC ECONDMY U S	188	125.9	11,942,500	17,452,223	*	*
4500 AGRIC ECONDMY FDRGN	83	120.5	12,520,621	18,001,158	*	*
4600 FARM CDDPERATIVES	40	22.7	2,175,239	2,888,289	*	*
4700 DTH MARKET PROCESS	24	3.4	130,675	474,297	*	*
4800 MARKETING SYSTEMS	93	34.1	2,586,597	4,729,845	*	*
6100 WEEDS	192	82.5	6,471,031	11,989,366	*	*
6200 SEED RESEARCH	65	31.1	1,777,785	6,264,297	*	*
6300 BIO CELL SYSTEMS	300	124.6	5,464,920	27,806,865	*	*
6400 EXP DESIGN/STAT METHOD	112	40.9	405,757	6,890,050	*	*
6500 INVERTEBRATES	579	240.6	19,831,387	41,283,844	*	*
6600 MICROORGANISMS VIRUSES	823	204.0	16,695,095	45,652,785	*	*
6700 PLANTS	1132	445.2	47,724,003	92,988,061	*	*
6800 ANIMALS(VERTEBRATES)	407	141.0	6,797,036	32,682,495	*	*
6900 RESEARCH ON RSCH MGMT	51	33.6	1,260,322	8,693,678	*	*
7000 RSCH EQUIP & TECHNOLOGY	136	49.1	2,991,207	10,631,259	*	*
9900 UNCLASSIFIED	2	3.8	432,801	546,782	*	*
TOTAL		10760.9	966,158,376	2,133,574,292	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1968 BY PROBLEM AREA --

NATIONAL TOTAL SAES - USDA

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1968	REG FED APPR/ CSRS ADMSTRD (GROSS) 1968	TOTAL FUNDS (GROSS) 1968	USDA SYS 1968	CON/GT/CA	WITH SAES AMOUNT 1968
SERIES 100							
101 APPRAIS OF SOIL RESDR	237	81.3	3,426,734	16,719,209	*		*
102 SOIL PLNT WTR NUTRI	985	430.2	33,830,388	78,517,328	*		*
103 MGMT OF SALINE SOILS	87	28.8	2,265,486	5,993,363	*		*
104 ALTERN USE OF LAND	149	55.9	4,467,331	8,430,877	*		*
105 CONSERV USE OF WATER	420	165.1	13,730,410	28,168,005	*		*
106 DRAIN AND IRRIGATION	149	69.1	4,463,831	13,874,844	*		*
107 WATERSHED PROT & MGMT	294	190.0	25,836,474	33,729,955	*		*
108 ECON LEG PROB OF WAT	73	29.8	1,508,475	4,027,528	*		*
109 WEATHER ADAPT & MGD	180	58.6	2,349,337	9,262,285	*		*
110 APPRAIS FORST & RANGS	138	84.4	14,982,444	20,037,211	*		*
111 BIDL CULT MGMT FORSTS	424	252.9	28,123,385	44,283,087	*		*
112 IMPROV RANGE RESDR	250	110.1	9,829,782	18,013,144	*		*
113 REMOTE SENSING	73	31.8	3,572,239	5,981,132	*		*
114 RSCH ON MGMT OF RSCH	51	33.8	1,280,322	9,893,878	*		*
SUBTOTAL		1829.3	149,744,389	288,749,274	*		*
SERIES 200							
201 CNTRL FORST INSECTS	248	124.3	17,370,934	23,074,880	*		*
202 CONTROL FOREST DIS	185	74.7	10,251,013	14,836,420	*		*
203 FOREST FIRE PROTECT	39	41.2	8,408,398	6,998,358	*		*
204 CNTR PESTS FRT & VEGS	855	211.1	19,949,843	42,295,273	*		*
205 CNTR DISE FRT & VEG	893	318.5	20,514,828	57,793,415	*		*
206 CNTR WEEDS FRT & VEG	199	49.1	3,327,299	9,081,048	*		*
207 CNTR PESTS FLD CRDPS	819	354.4	33,077,215	80,585,370	*		*
208 CNTR DIS FIELD CRDPS	919	341.8	24,823,434	58,556,899	*		*
209 CNTR WEEDS FLD CRDPS	448	185.4	15,027,712	33,945,028	*		*
210 CNTR PESTS ANIMALS	205	99.0	10,534,147	18,505,472	*		*
211 CNTR DIS ANIMALS	923	399.8	48,034,379	94,855,534	*		*
212 CNTR INTER PARASITES	127	58.1	8,485,817	13,019,447	*		*
213 PROT ANMLS FROM TDKINS	110	83.0	5,385,889	11,800,884	*		*
214 PROTECT FROM POLLUTION	227	74.1	9,327,431	20,021,868	*		*
SUBTOTAL		2403.2	232,528,315	482,751,773	*		*
SERIES 300							
301 GENET BREED FORST TRE	123	82.0	8,053,547	13,158,222	*		*
302 IMP FOREST ENG SYS	50	31.5	3,598,247	5,129,293	*		*
303 ECON TIMBER PRODUCTN	81	33.2	2,817,450	5,594,049	*		*
304 IMP BID EFF FRT & VEGS	1132	389.9	29,000,848	83,529,214	*		*
305 MECH PROO FRT & VEGS	98	28.4	1,454,521	5,397,358	*		*
306 PROO MGMT SYS F & V	136	26.8	917,184	5,813,039	*		*
307 IMP BID EFF FLD CRP	1823	785.1	82,188,484	152,279,730	*		*
308 MECH PROO FIELD CRDPS	116	45.4	3,425,231	7,568,320	*		*
309 PROO MGMT SYS FLD CRP	428	135.1	8,979,251	22,983,315	*		*
310 ANIMAL REPRODUCTION	611	220.9	19,993,321	83,144,618	*		*
311 IMP BID EFF ANML PR	1234	530.1	40,648,350	151,737,047	*		*
312 ENV STRESS IN ANML PR	182	58.9	3,753,232	12,300,299	*		*
313 PROO MGMT SYS ANML PR	293	74.5	3,900,739	18,259,380	*		*
314 BEES DTH POLLNTNG INS	61	42.5	4,203,160	8,014,518	*		*
315 IMP STRUC FARM SUPP	93	37.9	1,144,528	5,995,231	*		*
316 FARM BUSINESS MGMT	161	55.8	1,798,219	8,873,548	*		*
317 MECH/STRUCTS ANML PRD	31	6.7	240,087	1,330,958	*		*
318 NON CDM BID TECH/BIMET	1688	727.5	57,728,829	158,177,324	*		*
SUBTOTAL		3291.7	251,842,987	724,885,481	*		*
SERIES 400							
401 NEW IMP FOREST PROO	252	153.8	22,828,525	33,038,212	*		*
402 PROO F & V IMP ACCEPT	325	73.0	8,141,485	14,511,753	*		*
403 NEW & IMP F & V PROO	181	84.8	5,853,013	14,373,807	*		*
404 MKT QUAL FRTS & VEGS	254	151.8	18,051,714	24,510,442	*		*
405 PROO FLD CROP IMP ACPT	383	189.4	18,597,819	32,811,808	*		*
406 NEW IMP FOOD FLD CROP	171	83.3	7,598,980	14,973,513	*		*
407 NEW IMP NON FOOD FC	131	115.1	18,822,687	21,077,777	*		*
408 MKT QUAL FIELD CRDPS	134	74.8	8,424,098	11,971,188	*		*
409 PROO ANML PR IMP ACCEP	151	50.1	4,280,017	13,403,114	*		*
410 IMP MEAT MILK EGG PR	248	119.5	7,529,844	21,182,835	*		*
411 IMP NON FOOD ANML PR	23	17.4	2,434,883	3,018,898	*		*
412 MKT QUAL ANIMAL PROO	89	28.5	2,064,208	5,175,708	*		*
SUBTOTAL		1119.4	118,207,282	210,128,859	*		*
SERIES 500							
501 IMP GRADES & STANDOS	85	28.9	3,427,759	4,783,450	*		*
502 MKTG TIMBER PRODUCTS	32	8.5	712,701	1,019,051	*		*
503 MKTG EFF AGRI PRODS	179	52.4	3,481,388	7,954,918	*		*
506 SPLY DEMAND AND PRIC	241	121.3	10,742,586	17,781,938	*		*
507 COMPT REL IN AGRIC	81	19.5	1,839,318	3,155,874	*		*
508 DOMESTIC MKT DEVELP	59	18.0	1,159,387	2,728,383	*		*
509 PERFORMANCE MKTG SYS	187	77.7	8,624,299	10,739,836	*		*
510 GROUP ACT MKT POWER	25	10.4	764,518	1,388,175	*		*
511 IMP AGRIC STATISTICS	34	8.4	157,818	2,150,054	*		*
512 IMP GRADES FRST PROO	14	9.8	894,880	1,128,852	*		*
513 PRICE ANAL FRST PROO	32	24.0	2,891,888	3,773,773	*		*
SUBTOTAL		372.7	32,898,057	55,580,002	*		*
SERIES 600							
601 FGN MKT DEVELP	140	135.4	15,714,942	19,278,841	*		*
602 EVAL FGN FOOD AID PGM	4	1.1	34,817	358,777	*		*
603 TECH AID DEV CRTY	55	30.4	397,177	9,894,127	*		*
604 PRD DVLPMT/MKTG FRGN	33	9.1	907,380	1,885,047	*		*
SUBTOTAL		178.0	17,054,317	31,216,792	*		*
SERIES 700							
701 TOX RES IN FOOD	175	58.5	7,408,735	11,908,397	*		*
702 FOOD PROT FROM TOX	211	128.8	13,935,091	24,423,715	*		*
703 FOOD CONSUMP HABITS	143	50.7	9,388,343	13,489,886	*		*
704 HOME COMM FOOD SERV	30	8.5	291,890	1,155,055	*		*
705 SEL CARE CLOTH & TEXTL	72	12.5	295,524	2,053,372	*		*
706 CONTR INSECTS AFF MAN	140	59.3	4,253,477	9,981,848	*		*
707 TRANS ANIML MAN DIS	35	10.3	184,784	1,805,057	*		*
708 HUMAN NUTRITION	493	218.8	49,540,011	74,005,858	*		*
709 REDUCE HAZ HLTH & SFTY	89	38.1	8,044,580	8,154,311	*		*
SUBTOTAL		585.4	91,322,236	148,978,579	*		*

TABLE 11-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA -- NATIONAL TOTAL SAES - USDA

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CDN/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 800						
801 RURAL HOUSING	47	15.3	1,184,015	2,375,230	*	*
802 INDIV & FAM DEC MAKING	193	51.8	1,293,878	5,224,861	*	*
803 RURAL POVERTY	23	4.8	89,454	741,218	*	*
804 ECON POTENT RURL PED	91	28.6	1,824,862	3,273,260	*	*
805 COMMUNICAT EDUC PROC	112	35.2	840,855	5,257,858	*	*
806 ADJUSTMENT TO CHANGE	180	54.3	2,618,485	8,182,339	*	*
807 AGRIC ECONOMIC CHANGE	184	98.2	6,904,891	12,919,189	*	*
808 GOVT PROGRAMS	68	31.9	2,336,002	4,447,561	*	*
SUBTOTAL		319.9	16,872,041	43,402,327	*	*
SERIES 900						
901 ALLEY POLLUTION	489	200.6	15,195,330	38,030,889	*	*
902 OUTDOOR RECREATION	114	49.7	3,222,797	7,039,599	*	*
903 MULTI USE FOREST POTEN	89	32.4	2,301,480	4,852,003	*	*
904 WDLFE AND FISH ECOL	588	247.0	18,670,845	54,006,438	*	*
905 TREES BEAUTIFICATION	112	31.1	4,140,225	7,077,197	*	*
906 ORNAMENT & TURF DEV	559	209.2	8,538,147	36,784,380	*	*
907 RURAL INCOME IMP	113	40.4	2,268,830	5,367,596	*	*
908 RURAL INSTITUT IMP	157	49.0	3,124,338	7,196,542	*	*
909 UNCLASSIFIED	2	3.8	432,801	546,782	*	*
SUBTOTAL		863.3	57,892,793	180,881,424	*	*
SCIENCE IN SERV OF MAN						
GRAND TOTAL		10760.9	986,158,376	2,133,574,292	*	*

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

NATIONAL TOTAL USDA RESEARCH AGENCIES

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CDN/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	235	175.1	30,466,523	31,033,988	0.0	1,452,163
0200 WATER	192	124.7	20,636,836	21,402,420	0.0	484,887
0300 WATERSHEDS RIVER BAS	118	83.9	16,487,096	16,971,898	0.0	5,838
0400 AIR AND CLIMATE	14	6.3	1,278,585	1,404,574	0.0	0
0500 RECREATION RESOURCES	20	20.7	2,952,438	3,157,980	0.0	0
0600 TIMBER FORST PRODUCT	582	588.4	116,694,782	121,476,102	0.0	4,145,595
0700 RANGE	132	98.5	15,592,043	16,941,724	0.0	566,443
0800 WILDLIFE AND FISH	85	59.4	16,434,487	17,175,989	0.0	3,089,783
0900 CITRUS SUB TROP FRUT	127	78.3	16,872,824	17,102,421	0.0	1,370,403
1000 FRUIT NUTS DECIDUOUS	209	126.5	25,332,547	25,812,799	0.0	2,294,711
1100 POTATDES	108	41.5	9,331,412	9,342,830	0.0	1,715,724
1200 VEGETABLES	278	130.6	26,517,920	26,850,687	0.0	2,577,678
1300 ORNAMENTALS TURF	61	23.6	5,755,272	5,839,283	0.0	168,222
1400 CORN	219	149.3	25,783,281	26,870,881	0.0	1,333,118
1500 GRAIN SORGHUM	57	16.5	2,909,669	2,937,248	0.0	32,728
1600 RICE	43	19.2	3,463,921	3,482,885	0.0	167,307
1700 WHEAT	232	133.3	23,834,288	23,955,954	0.0	2,183,818
1800 OTHER SMALL GRAINS	80	32.1	5,154,217	5,228,230	0.0	173,342
1900 PASTURE	45	18.2	3,225,071	3,227,271	0.0	121,876
2000 FORAGE CROPS	191	112.2	18,867,200	18,878,017	0.0	797,584
2100 COTTON	182	174.2	31,506,027	31,658,317	0.0	581,524
2200 COTTONSEED	17	16.1	2,526,236	2,531,508	0.0	0
2300 SOYBEANS	201	157.4	25,673,321	25,773,813	0.0	1,805,747
2400 PEANUTS	53	35.4	5,894,217	5,084,523	0.0	164,387
2500 OTHER OILSEED CROPS	40	13.1	3,465,088	3,465,088	0.0	997,768
2600 TOBACCO	35	27.7	5,583,335	5,589,185	0.0	0
2700 SUGAR CROPS	47	53.2	10,233,287	10,295,518	0.0	46,753
2800 MISC NEW CROPS	84	32.4	6,777,824	7,039,048	0.0	743,888
2900 POULTRY	125	104.8	21,110,123	21,319,848	0.0	1,971,252
3000 BEEF CATTLE	248	156.2	37,806,464	37,988,329	0.0	4,160,962
3100 DAIRY CATTLE	197	120.4	27,815,473	27,984,200	0.0	2,338,148
3200 SWINE	135	88.4	24,992,354	24,719,012	0.0	2,266,890
3300 SHEEP AND WOOL	91	38.5	9,834,922	9,847,477	0.0	985,218
3400 OTHER ANIMALS	31	9.6	2,851,611	2,851,611	0.0	611,975
3500 BEES AND HONEY	29	31.1	4,098,342	4,150,463	0.0	57,915
3600 FARM SUPP & FACILITS	8	9.7	1,585,085	1,565,085	0.0	274,157
3700 CLOTHING & TEXTILES	2	0.8	108,700	108,700	0.0	0
3800 FOOD	91	63.6	21,000,772	21,035,303	0.0	989,078
3900 HOUSING & EQUIP	13	7.1	1,355,125	1,396,842	0.0	42,442
4000 PEOPLE AS INDIVIDUALS	137	78.6	41,859,881	42,835,082	0.0	1,064,649
4100 FAMILY MEMBERS	18	17.3	2,903,168	2,910,143	0.0	42,660
4200 FARM AS BUSINESS	10	6.0	1,123,974	1,123,974	0.0	242,624
4300 SOC POLIT ORGANIZ	25	25.7	3,888,808	3,868,808	0.0	325,058
4400 AGRIC ECONOMY U S	50	74.3	10,917,474	10,917,709	0.0	1,478,434
4500 AGRIC ECONOMY FORGN	46	91.2	12,351,007	12,351,007	0.0	1,346,287
4600 FARM COOPERATIVES	11	16.3	2,067,572	2,067,572	0.0	14,220
4700 OTH MARKET PROCESS	1	0.0	23,463	23,463	0.0	23,463
4800 MARKETING SYSTEMS	17	14.5	2,111,785	2,118,785	0.0	128,975
5100 WEEDS	82	31.7	5,684,063	5,723,607	0.0	282,971
6200 SEED RESEARCH	10	6.4	1,613,855	1,613,855	0.0	11,200
6300 BIO CELL SYSTEMS	33	22.2	4,012,337	4,033,238	0.0	727,336
6400 EXP DESIGN/STAT METHOD	1	0.1	16,336	16,336	0.0	0
6500 INVERTEBRATES	140	81.0	17,273,084	17,380,938	0.0	1,784,553
6600 MICROORGANISMS VIRUSES	151	57.7	14,248,856	14,375,027	0.0	1,867,702
6700 PLANTS	339	184.9	43,446,917	44,185,092	0.0	5,876,728
6800 ANIMALS(VERTEBRATES)	48	12.5	4,388,530	4,421,330	0.0	941,708
6900 RESEARCH ON RSCH MGMT	8	1.5	411,446	411,446	0.0	134,818
7000 RSCH EQUIP & TECHNLDGY	16	10.3	2,341,068	2,344,295	0.0	15,174
9900 UNCLASSIFIED	2	3.8	432,801	546,782	0.0	0
TOTAL		3936.9	802,369,209	816,345,588	0.0	56,997,404

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FDR 1988 BY PROBLEM AREA --

NATIONAL TOTAL USOA RESEARCH AGENCIES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FEO APPR/ CSRS ADMSTRD [GROSS] 1988	TOTAL FUNDS [GRDSS] 1988	USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 100						
101 APPRAIS OF SOIL RESOR	22	10.0	1,883,177	1,907,891	0.0	186,180
102 SOIL PLNT WTR NUTRI	191	170.8	27,784,113	28,116,847	0.0	849,704
103 MGMT OF SALINE SDILS	17	9.8	1,892,242	2,018,966	0.0	73,500
104 ALTERN USE OF LAND	22	28.1	3,830,395	3,888,686	0.0	28,440
105 CONSERV USE OF WATER	109	70.6	11,931,462	12,523,304	0.0	311,884
106 DRAIN AND IRRIGATION	20	20.0	3,830,275	3,752,740	0.0	31,549
107 WATERSHED PROT & MGMT	138	138.2	24,723,124	25,410,448	0.0	248,641
108 ECON LEG PROB OF WAT	3	8.0	1,047,500	1,047,500	0.0	0
109 WEATHER ADAPT & MDO	20	6.0	1,301,236	1,389,873	0.0	29,679
110 APPRAIS FORST & RANGS	33	48.7	14,033,924	14,570,824	0.0	0
111 BIDL CULT MGMT FORSTS	151	157.3	24,884,716	25,896,517	0.0	307,100
112 IMPROV RANGE RESOR	85	52.0	8,516,759	8,637,561	0.0	388,336
113 REMOTE SENSING	13	14.6	3,106,342	3,106,342	0.0	181,088
114 RSCH ON MGMT OF RSCH	8	1.5	411,446	411,446	0.0	134,819
SUBTOTAL		735.7	128,976,701	132,836,741	0.0	2,748,700
SERIES 200						
201 CNTRL FORST INSECTS	102	83.9	16,083,740	16,195,940	0.0	293,798
202 CONTROL FOREST DIS	57	44.6	9,071,820	9,457,616	0.0	3,810
203 FOREST FIRE PROTECT	32	37.5	6,277,250	6,594,407	0.0	0
204 CNTR PESTS FRT & VEGS	183	67.2	16,402,194	16,713,978	0.0	1,283,859
205 CNTR DISE FRT & VEG	188	83.0	16,122,397	16,273,082	0.0	1,913,893
206 CNTR WEEDS FRT & VEG	45	11.5	2,238,017	2,238,017	0.0	206,404
207 CNTR PESTS FLD CROPS	239	161.2	28,517,295	29,781,286	0.0	2,102,505
208 CNTR DIS FIELD CROPS	227	120.8	19,846,355	19,795,451	0.0	1,384,031
209 CNTR WEEDS FLD CROPS	122	88.8	12,146,038	12,326,807	0.0	580,585
210 CNTR PESTS ANIMALS	54	56.2	9,353,672	9,398,727	0.0	389,075
211 CNTR DIS ANIMALS	170	127.3	41,180,882	41,453,055	0.0	6,115,421
212 CNTR INTER PARASITES	29	34.0	7,489,148	7,593,370	0.0	452,864
213 PROT ANMLS FROM TOXINS	16	28.1	4,561,083	4,566,700	0.0	86,030
214 PROTECT FROM POLLUTIDN	43	24.4	7,579,857	7,889,935	0.0	1,379,471
SUBTOTAL		948.3	196,777,731	200,256,170	0.0	16,171,626
SERIES 300						
301 GENET BREED FDRST TRE	29	24.6	4,876,884	5,235,235	0.0	149,750
302 IMP FOREST ENG SYS	18	20.8	3,400,084	3,472,007	0.0	415,554
303 ECON TIMBER PRODUCTN	22	15.3	2,124,719	2,366,709	0.0	180,246
304 IMP BID EFF FRT & VEGS	189	80.7	21,878,030	22,051,665	0.0	2,375,201
305 MECH PROO FRT & VEGS	6	3.2	679,156	681,189	0.0	13,800
306 PRDD MGMT SYS F & V	9	0.9	324,866	324,866	0.0	137,493
307 IMP BID EFF FLD CRP	377	267.8	51,076,973	51,322,627	0.0	4,082,453
308 MECH PROO FIELD CRPPS	20	14.6	2,640,868	2,642,297	0.0	91,306
309 PRDD MGMT SYS FLD CRP	69	37.1	6,784,864	6,788,338	0.0	350,255
310 ANIMAL REPRODUCTION	85	35.5	13,195,447	13,204,837	0.0	2,471,289
311 IMP BID EFF ANML PR	140	97.7	24,428,793	24,499,744	0.0	1,845,421
312 ENV STRESS IN ANML PR	15	10.8	2,267,663	2,287,663	0.0	32,369
313 PRDD MGMT SYS ANML PR	18	8.3	1,918,099	1,918,099	0.0	120,991
314 BEES OTH POLLNTNG INS	29	31.1	4,098,342	4,150,463	0.0	67,915
315 IMP STRUC FARM SUPP	3	0.2	296,358	296,358	0.0	286,942
316 FARM BUSINESS MGMT	7	4.2	712,136	712,136	0.0	94,736
317 MECH/STRUCTS ANML PRD	1	0.4	89,932	89,932	0.0	0
318 NDN COM BID TECH/BIMET	353	208.9	50,224,280	50,507,354	0.0	6,495,874
SUBTOTAL		862.0	191,027,316	192,541,530	0.0	19,181,376
SERIES 400						
401 NEW IMP FOREST PROO	98	86.6	21,323,558	22,868,267	0.0	2,119,444
402 PRDD F & V IMP ACCEPT	51	25.7	5,129,979	5,198,399	0.0	646,783
403 NEW & IMP F & V PROO	20	28.4	4,492,876	4,492,876	0.0	248,496
404 MKT QUAL FRTS & VEGS	84	86.1	14,578,044	14,797,338	0.0	622,673
405 PRDD FLD CROP IMP ACPT	109	83.8	14,792,288	14,834,694	0.0	515,576
406 NEW IMP FOOD FLD CROP	27	38.4	6,623,817	6,847,750	0.0	176,703
407 NEW IMP NON FOOD FC	57	91.5	16,143,588	16,151,827	0.0	462,434
408 MKT QUAL FIELD CROPS	50	49.8	7,839,827	7,883,727	0.0	10,329
409 PRDD ANML PR IMP ACCEP	17	10.9	2,731,591	2,731,591	0.0	288,833
410 IMP MEAT MILK EGG PR	17	30.4	5,263,488	5,263,488	0.0	375,082
411 IMP NON FOOD ANML PR	9	14.0	2,330,839	2,330,839	0.0	27,018
412 MKT QUAL ANIMAL PROO	12	7.7	1,489,113	1,489,137	0.0	881
SUBTOTAL		563.2	102,838,986	104,489,762	0.0	5,495,243
SERIES 500						
501 IMP GRADES & STANOS	22	17.9	3,186,308	3,190,782	0.0	86,330
502 MKTG TIMBER PRODUCTS	3	0.6	488,386	488,386	0.0	270,370
503 MKTG EFF AGRI PROOS	25	13.9	2,382,691	2,402,451	0.0	171,588
506 SPLY DEMAND AND PRIC	52	88.8	9,322,607	9,322,842	0.0	210,067
507 COMP REL IN AGRIC	12	10.0	1,599,514	1,599,514	0.0	102,854
508 ODMESTIC MKT DEVELP	7	4.7	828,421	828,421	0.0	113,921
509 PERFRMANCE MKTG SYS	35	37.6	5,357,955	5,384,955	0.0	84,751
510 GROUP ACT MKT POWER	4	5.1	862,745	862,745	0.0	28,440
512 IMP GRADES FRST PROO	7	8.9	850,753	927,963	0.0	0
513 PRICE ANAL FRST PROO	13	18.5	2,773,843	2,888,570	0.0	0
SUBTOTAL		186.0	27,443,223	27,686,829	0.0	1,048,142
SERIES 600						
601 FGN MKT DEVELP	57	95.8	15,109,325	15,109,325	0.0	3,550,541
602 EVAL FGN FOOD AID PGM	1	0.1	16,800	16,800	0.0	0
603 TECH AID DEV CRTY	4	1.6	302,313	302,313	0.0	9,180
604 PRD DVLPMNT/MKTG FRGN	7	3.0	713,849	713,849	0.0	83,784
SUBTOTAL		100.6	16,142,088	16,142,088	0.0	3,853,495
SERIES 700						
701 TOX RES IN FOOD	54	14.9	8,141,435	8,271,817	0.0	2,301,771
702 FOOD PROT FROM TOX	44	75.4	12,285,351	12,444,202	0.0	106,036
703 FOOD CONSUMP HABITS	33	20.8	8,842,841	8,842,841	0.0	120,085
706 CNTR INSECTS AFF MAN	27	19.9	3,447,582	3,522,888	0.0	158,572
707 TRANS ANIML MAN DIS	8	0.9	106,765	132,050	0.0	0
708 HUMAN NUTRITION	142	87.9	48,863,913	47,949,813	0.0	1,114,489
709 REDUCE HAZ HLTH & SFTY	26	25.8	5,700,819	5,871,338	0.0	2,942
SUBTOTAL		248.6	83,169,337	84,834,347	0.0	3,803,856

TABLE 11-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

NATIONAL TOTAL USDA RESEARCH AGENCIES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 800						
801 RURAL HOUSING	4	5.2	943,379	985,098	0.0	0
802 INDIV & FAM DEC MAKING	6	3.9	588,234	588,234	0.0	18,980
803 RURAL POVERTY	1	0.0	18,980	18,980	0.0	18,980
804 ECON POTENT RURL PED	11	10.8	1,318,580	1,318,580	0.0	33,180
805 COMMUNICAT EDUC PROC	4	1.5	238,500	238,500	0.0	8,700
806 ADJUSTMENT TO CHANGE	2	7.3	1,520,338	1,520,338	0.0	68,380
807 AGRIC ECONOMIC CHANGE	33	42.3	5,841,300	5,841,300	0.0	244,300
808 GOVT PROGRAMS	17	18.5	1,974,380	1,974,380	0.0	80,580
SUBTOTAL		86.3	12,239,671	12,281,388	0.0	471,040
SERIES 900						
901 ALLEY POLLUTION	78	59.0	11,898,480	12,077,032	0.0	947,504
902 OUTDOOR RECREATION	18	19.6	2,809,804	2,808,325	0.0	0
903 MULTI USE FOREST POTEN	17	16.3	1,718,579	2,125,522	0.0	0
904 WDLFE AND FISH ECOL	80	80.4	18,164,026	16,895,775	0.0	3,013,174
905 TREES BEAUTIFICATION	19	7.1	3,689,496	3,870,427	0.0	7,300
906 ORNAMENT & TURF DEV	54	21.8	4,110,073	4,194,084	0.0	168,572
907 RURAL INCOME IMP	9	8.5	1,228,677	1,228,677	0.0	194,577
908 RURAL INSTITUT IMP	13	11.6	1,924,200	1,924,200	0.0	94,800
909 UNCLASSIFIED	2	3.8	432,801	548,782	0.0	0
SUBTOTAL		208.2	43,754,147	45,466,934	0.0	4,423,927
SCIENCE IN SERV OF MAN						
GRAND TOTAL		3936.9	802,369,209	816,345,588	0.0	58,997,404

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --				AGRICULTURAL COOPERATIVE SERVICE		ACS
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
4600 FARM COOPERATIVES	10	16.3	2,053,352	2,053,352	0.0	0
TOTAL		16.3	2,053,352	2,053,352	0.0	0

TABLE 11-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --				AGRICULTURAL COOPERATIVE SERVICE		ACS
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 500						
509 PERFORMANCE MKTG SYS	7	11.2	1,419,047	1,419,047	0.0	0
510 GROUP ACT MKT POWER	3	5.1	634,305	634,305	0.0	0
SUBTOTAL		16.3	2,053,352	2,053,352	0.0	0
SCIENCE IN SERV OF MAN						
GRAND TOTAL		16.3	2,053,352	2,053,352	0.0	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

AGRICULTURAL RESEARCH SERVICE

ARS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	177	139.5	23,042,135	23,486,956	0.0		190,242
0200 WATER	163	101.0	16,914,880	17,859,581	0.0		279,770
0300 WATERSHEDS RIVER BAS	61	49.5	8,552,543	8,601,197	0.0		0
0400 AIR AND CLIMATE	4	1.2	197,577	214,239	0.0		0
0500 RECREATION RESOURCES	2	0.3	36,385	39,611	0.0		0
0600 TIMBER FORST PRODUCT	43	18.1	4,040,045	4,081,159	0.0		8,000
0700 RANGE	81	77.2	11,821,218	12,791,486	0.0		158,238
0800 WILDLIFE AND FISH	12	12.3	1,816,576	1,823,029	0.0		33,000
0900 CITRUS SUB TROP FRUT	93	76.6	15,548,778	15,778,373	0.0		410,561
1000 FRUIT NUTS DECIDUOUS	170	124.8	23,055,982	23,335,235	0.0		483,456
1100 POTATOES	84	38.0	7,389,982	7,381,401	0.0		137,434
1200 VEGETABLES	209	127.4	22,654,454	22,787,200	0.0		183,005
1300 ORNAMENTALS TURF	54	23.0	5,505,650	5,589,671	0.0		0
1400 CORN	188	144.9	23,446,870	23,554,469	0.0		356,737
1500 GRAIN SORGHUM	48	15.1	2,701,985	2,729,544	0.0		25,414
1600 RICE	34	17.1	3,105,175	3,124,139	0.0		54,000
1700 WHEAT	188	127.5	21,218,042	21,339,710	0.0		395,932
1800 OTHER SMALL GRAINS	75	30.2	4,667,412	4,741,424	0.0		89,273
1900 PASTURE	40	17.9	3,109,331	3,111,531	0.0		51,136
2000 FORAGE CROPS	158	111.5	18,108,930	18,117,747	0.0		216,044
2100 COTTON	145	189.6	30,883,851	30,735,940	0.0		327,647
2200 COTTONSEED	18	15.9	2,500,738	2,504,008	0.0		0
2300 SOYBEANS	188	152.8	23,168,076	23,288,567	0.0		284,096
2400 PEANUTS	47	35.2	5,759,705	5,930,011	0.0		85,000
2500 OTHER OILSEED CROPS	31	11.9	2,827,402	2,827,402	0.0		336,710
2600 TOBACCO	33	24.3	5,203,335	5,209,185	0.0		0
2700 SUGAR CROPS	40	47.7	9,420,991	9,483,222	0.0		0
2800 MISC NEW CROPS	55	32.4	5,983,958	6,245,180	0.0		0
2900 POULTRY	92	98.7	16,856,337	17,086,162	0.0		46,825
3000 BEEF CATTLE	182	149.6	31,483,282	31,865,148	0.0		329,102
3100 DAIRY CATTLE	154	112.3	24,704,359	24,873,086	0.0		432,220
3200 SWINE	94	82.7	20,532,781	20,559,450	0.0		0
3300 SHEEP AND WOOL	85	36.5	7,961,266	7,973,821	0.0		3,804
3400 OTHER ANIMALS	18	9.6	1,918,072	1,918,072	0.0		0
3500 BEES AND HONEY	27	30.4	4,000,942	4,053,063	0.0		43,515
3600 FARM SUPP & FACILITS	2	2.3	318,608	318,608	0.0		0
3800 FOOD	41	38.2	11,979,706	12,014,237	0.0		141,840
3900 HOUSING & EQUIP	7	1.9	389,304	389,304	0.0		0
4000 PEOPLE AS INDIVIDUALS	98	71.2	35,876,220	37,051,302	0.0		293,872
4100 FAMILY MEMBERS	5	3.5	506,784	513,740	0.0		0
4200 FARM AS BUSINESS	2	1.0	243,800	243,800	0.0		40,700
4800 MARKETING SYSTEMS	1	0.1	16,453	16,453	0.0		0
8100 WEEDS	54	31.7	5,396,547	5,436,081	0.0		15,000
8200 SEED RESEARCH	10	8.4	1,613,855	1,613,855	0.0		11,200
8300 BIO CELL SYSTEMS	21	22.2	2,683,801	2,684,702	0.0		0
8400 EXP DESIGN/STAT METHODD	1	0.1	16,336	16,336	0.0		0
8500 INVERTEBRATES	71	89.5	12,800,881	12,707,136	0.0		15,000
8600 MICROORGANISMS VIRUSES	82	57.7	7,402,642	7,527,813	0.0		33,500
8700 PLANTS	192	182.6	31,439,848	32,178,023	0.0		281,429
8800 ANIMALS(VERTEBRATES)	15	11.5	1,947,249	1,980,049	0.0		0
7000 RSCH EQUIP & TECHNOLOGY	13	10.3	1,846,957	1,850,184	0.0		0
9900 UNCLASSIFIED	2	3.8	432,801	546,782	0.0		0
TOTAL		2799.2	524,288,181	531,468,414	0.0		5,735,527

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

AGRICULTURAL RESEARCH SERVICE

ARS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA	WITH SAES AMOUNT 1988
SERIES 100							
101 APPRAIS OF SOIL RESOR	19	10.0	1,744,497	1,769,211	0.0		47,500
102 SOIL PLNT WTR NUTRI	153	145.3	23,715,850	23,932,450	0.0		89,075
103 MGMT OF SALINE SOILS	16	9.8	1,826,242	1,862,966	0.0		7,500
104 ALTERN USE OF LAND	3	1.1	137,392	139,211	0.0		0
105 CONSERV USE OF WATER	103	87.5	11,373,043	11,944,210	0.0		244,770
106 DRAIN AND IRRIGATION	17	20.0	3,218,806	3,341,271	0.0		30,000
107 WATERSHED PROT & MGMT	86	91.8	16,307,276	16,612,638	0.0		106,574
109 WEATHER ADAPT & MOD	14	4.1	787,197	854,908	0.0		17,212
110 APPRAIS FORST & RANGS	3	0.9	167,277	166,635	0.0		0
112 IMPROV RANCE RESOR	39	41.9	6,521,845	6,521,845	0.0		50,000
113 REMOTE SENSING	11	14.6	2,606,514	2,606,514	0.0		0
SUBTOTAL		407.0	68,405,739	69,861,859	0.0		592,831
SERIES 200							
201 CNTRL FORST INSECTS	30	10.5	1,701,322	1,734,122	0.0		11,500
202 CONTROL FOREST DIS	3	1.2	130,969	130,969	0.0		0
203 FOREST FIRE PROTECT	1	0.2	27,584	27,584	0.0		0
204 CNTR PESTS FRT & VEGS	132	87.2	14,766,206	15,077,992	0.0		147,130
205 CNTR OISE FRT & VEG	135	83.0	14,550,805	14,701,290	0.0		591,845
206 CNTR WEEDS FRT & VEG	33	11.5	1,982,513	1,982,513	0.0		22,900
207 CNTR PESTS FLD CROPS	176	181.2	26,255,145	27,497,074	0.0		191,915
208 CNTR DIS FIELD CROPS	178	120.0	18,203,626	18,325,146	0.0		133,645
209 CNTR WEEDS FLD CROPS	99	88.8	11,867,753	11,868,322	0.0		196,371
210 CNTR PESTS ANIMALS	47	56.2	8,934,631	8,979,686	0.0		0
211 CNTR DIS ANIMALS	101	127.3	33,354,445	33,626,638	0.0		267,385
212 CNTR INTER PARASITES	25	34.0	7,046,185	7,140,406	0.0		0
213 PROT ANMLS FROM TOXINS	14	26.1	4,475,053	4,480,670	0.0		0
214 PROTECT FROM POLLUTION	17	11.6	1,516,303	1,687,325	0.0		146,079
SUBTOTAL		780.6	144,832,386	147,259,758	0.0		1,710,571
SERIES 300							
304 IMP BIO EFF FRT & VEGS	152	80.7	19,261,246	19,434,680	0.0		334,526
305 MECH PROD FRT & VEGS	6	3.2	679,156	681,189	0.0		13,600
306 PROD MGMT SYS F & V	5	0.9	140,274	140,274	0.0		2,800
307 IMP BIO EFF FLD CRP	325	267.8	46,672,469	46,916,143	0.0		1,063,966
308 MECH PROD FIELD CROPS	16	14.6	2,587,629	2,589,257	0.0		38,287
309 PROD MGMT SYS FLD CRP	59	37.1	6,474,020	6,477,894	0.0		39,611
310 ANIMAL REPRODUCTION	47	35.5	8,183,646	8,193,238	0.0		20,000
311 IMP BIO EFF ANML PR	118	97.7	22,321,962	22,392,932	0.0		223,994
312 ENV STRESS IN ANML PR	13	10.8	2,085,294	2,085,294	0.0		0
313 PROD MGMT SYS ANML PR	12	6.7	1,359,428	1,359,428	0.0		0
314 BEES OTH POLLNTNG INS	27	30.4	4,000,842	4,053,063	0.0		43,515
315 IMP STRUC FARM SUPP	1	0.2	29,416	29,416	0.0		0
316 FARM BUSINESS MGMT	2	1.0	243,600	243,600	0.0		40,700
317 MECH/STRUCTS ANML PRD	1	0.4	99,932	99,932	0.0		0
318 NON COM BIO TECH/BIMET	149	206.9	29,470,056	29,753,140	0.0		81,450
SUBTOTAL		785.9	143,619,711	144,461,681	0.0		1,922,431
SERIES 400							
402 PROD F & V IMP ACCEPT	49	25.7	4,562,760	4,631,161	0.0		81,575
403 NEW & IMP F & V PROD	15	26.4	4,199,659	4,199,659	0.0		37,500
404 MKT QUAL FRTS & VEGS	74	96.1	14,117,270	14,236,565	0.0		61,900
405 PROD FLD CROP IMP ACPT	106	63.8	14,684,469	14,726,676	0.0		407,757
406 NEW IMP FOOD FLD CROP	25	38.4	6,448,113	6,472,057	0.0		0
407 NEW IMP NON FOOD FC	50	91.5	15,424,664	15,432,733	0.0		25,500
408 MKT QUAL FIELD CROPS	49	49.8	7,638,550	7,882,450	0.0		9,052
409 PROD ANML PR IMP ACCP	11	10.9	2,343,711	2,343,711	0.0		0
410 IMP MEAT MILK EGG PR	15	30.4	5,188,386	5,188,386	0.0		300,000
411 IMP NON FOOD ANML PR	7	14.0	2,278,821	2,278,821	0.0		0
412 MKT QUAL ANIMAL PROD	12	7.7	1,489,113	1,489,137	0.0		860
SUBTOTAL		476.6	78,575,716	78,891,774	0.0		924,145
SERIES 500							
501 IMP GRADES & STANDS	21	17.9	3,144,976	3,169,452	0.0		45,000
503 MKTG EFF AGRI PRODS	12	5.7	1,216,683	1,236,623	0.0		0
SUBTOTAL		23.6	4,361,641	4,406,074	0.0		45,000
SERIES 600							
601 FCN MKT DEVELP	1	0.1	17,685	17,685	0.0		0
603 TECH AID DEV CRTV	1	0.3	109,553	109,553	0.0		0
604 PRD DVLPMT/MKTG FRGN	4	2.0	478,655	478,655	0.0		0
SUBTOTAL		2.5	606,093	606,093	0.0		0
SERIES 700							
701 TOX RES IN FOOD	20	14.9	3,481,024	3,611,406	0.0		0
702 FOOD PROT FROM TOX	41	75.9	11,930,595	12,106,416	0.0		52,000
703 FOOD CONSUMP HABITS	4	5.3	1,012,937	1,012,937	0.0		0
706 CONTR INSECTS AFF MAN	23	19.9	3,289,010	3,384,116	0.0		0
707 TRANS ANIML MAN DIS	8	0.9	106,765	132,050	0.0		0
708 HUMAN NUTRITION	96	80.7	42,165,059	43,250,759	0.0		434,747
709 REDUCE HAZ HLTH & SFTY	25	25.8	5,697,677	5,888,393	0.0		0
SUBTOTAL		223.4	67,683,066	69,348,077	0.0		486,747
SERIES 800							
802 INDIV & FAM DEC MAKING	4	3.8	529,274	529,274	0.0		0
806 ADJUSTMENT TO CHANGE	1	0.2	20,778	20,778	0.0		0
SUBTOTAL		4.0	550,052	550,052	0.0		0
SERIES 900							
901 ALLEY POLLUTION	39	44.4	6,729,194	6,759,712	0.0		12,500
902 OUTDOOR RECREATION	1	0.3	36,385	36,385	0.0		0
904 WLDIFE AND FISH ECOL	6	9.9	1,295,074	1,295,074	0.0		37,500
905 TREES BEAUTIFICATION	15	6.0	3,498,039	3,498,970	0.0		4,000
906 ORNAMENT & TURF DEV	46	21.2	3,862,101	3,946,122	0.0		0
990 UNCLASSIFIED	2	3.8	432,801	546,782	0.0		0
SUBTOTAL		85.6	15,653,594	16,083,045	0.0		54,000
SCIENCE IN SERV OF MAN							
GRAND TOTAL		2789.2	524,286,181	531,468,414	0.0		5,735,527

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CSRS SPECIAL GRANTS

CSRS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CDN/GT/CA	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	18	0.0	1,261,921	1,261,921	0.0		1,261,921
0200 WATER	4	0.0	205,117	205,117	0.0		205,117
0300 WATERSHEDS RIVER BAS	1	0.0	5,638	5,638	0.0		5,638
0600 TIMBER FORST PRODUCT	20	0.0	3,474,231	3,474,231	0.0		3,474,231
0700 RANGE	15	0.0	516,506	516,506	0.0		408,207
0800 WILDLIFE AND FISH	17	0.0	4,617,061	4,617,061	0.0		3,038,763
0900 CITRUS SUB TROP FRUIT	25	0.0	959,822	959,822	0.0		959,822
1000 FRUIT NUTS DECIDUOUS	31	0.0	1,818,299	1,818,299	0.0		1,811,255
1100 POTATDES	39	0.0	1,469,180	1,469,180	0.0		1,469,180
1200 VEGETABLES	51	0.0	2,450,783	2,450,783	0.0		2,394,673
1300 ORNAMENTALS TURF	8	0.0	168,222	168,222	0.0		168,222
1400 CORN	8	0.0	230,380	230,380	0.0		230,380
1500 GRAIN SORGHUM	2	0.0	7,314	7,314	0.0		7,314
1800 RICE	1	0.0	3,307	3,307	0.0		3,307
1700 WHEAT	24	0.0	1,107,883	1,107,883	0.0		1,107,883
1800 OTHER SMALL GRAINS	3	0.0	12,069	12,069	0.0		12,069
1900 PASTURE	3	0.0	70,740	70,740	0.0		70,740
2000 FORAGE CROPS	28	0.0	493,412	493,412	0.0		493,412
2100 COTTON	7	0.0	163,876	163,876	0.0		163,876
2300 SOYBEANS	19	0.0	1,247,151	1,247,151	0.0		1,247,151
2400 PEANUTS	3	0.0	99,387	99,387	0.0		99,387
2500 OTHER OILSEED CROPS	4	0.0	659,058	659,058	0.0		659,058
2700 SUGAR CROPS	2	0.0	46,753	46,753	0.0		46,753
2800 MISC NEW CROPS	8	0.0	743,888	743,888	0.0		743,888
2900 POULTRY	11	0.0	1,221,005	1,221,005	0.0		1,221,005
3000 BEEF CATTLE	37	0.0	2,249,178	2,249,178	0.0		2,049,212
3100 DAIRY CATTLE	24	0.0	1,419,429	1,419,429	0.0		1,419,429
3200 SWINE	20	0.0	1,358,150	1,358,150	0.0		1,358,150
3300 SHEEP AND WOOL	11	0.0	565,254	565,254	0.0		565,254
3400 OTHER ANIMALS	8	0.0	611,975	611,975	0.0		611,975
3500 BEES AND HONEY	1	0.0	14,400	14,400	0.0		14,400
3600 FARM SUPP & FACILITS	3	0.0	274,157	274,157	0.0		274,157
3800 FOOD	8	0.0	797,238	797,238	0.0		797,238
3900 HOUSING & EQUIP	2	0.0	42,442	42,442	0.0		42,442
4000 PEOPLE AS INDIVIDUALS	6	0.0	238,273	238,273	0.0		238,273
4100 FAMILY MEMBERS	2	0.0	42,660	42,660	0.0		42,660
4200 FARM AS BUSINESS	2	0.0	201,924	201,924	0.0		201,924
4300 SOC POLIT ORGANIZ	6	0.0	325,058	325,058	0.0		325,058
4400 AGRIC ECONOMY U S	4	0.0	1,478,434	1,478,434	0.0		1,478,434
4500 AGRIC ECONOMY FORGN	4	0.0	1,346,287	1,346,287	0.0		1,346,287
4600 FARM COOPERATIVES	1	0.0	14,220	14,220	0.0		14,220
4700 OTH MARKET PROCESS	1	0.0	23,463	23,463	0.0		23,463
4800 MARKETING SYSTEMS	3	0.0	128,975	128,975	0.0		128,975
6100 WEEDS	6	0.0	122,517	122,517	0.0		102,971
6300 BIO CELL SYSTEMS	2	0.0	131,936	131,936	0.0		131,936
6500 INVERTEBRATES	9	0.0	130,921	130,921	0.0		130,921
6800 MICROORGANISMS VIRUSES	8	0.0	262,202	262,202	0.0		262,202
6700 PLANTS	43	0.0	2,198,129	2,198,129	0.0		2,198,129
6800 ANIMALS(VERTEBRATES)	21	0.0	571,706	571,706	0.0		571,706
6900 RESEARCH ON RSCH MGMT	4	0.0	134,819	134,819	0.0		134,819
7000 RSCH EQUIP & TECHNOLOGY	3	0.0	494,111	494,111	0.0		15,174
TOTAL		0.0	38,230,800	38,230,800	0.0		35,780,800

TABLE II-0 SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

CSRS SPECIAL GRANTS

CSRS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA WITH SAES AMOUNT 1988
SERIES 100						
101 APPRAIS OF SOIL RESOR	3	0.0	138,880	138,880	0.0	138,880
102 SOIL PLNT WTR NUTRI	9	0.0	780,829	780,829	0.0	780,829
104 ALTERN USE OF LAND	1	0.0	28,440	28,440	0.0	28,440
105 CONSERV USE OF WATER	2	0.0	88,914	88,914	0.0	88,914
106 DRAIN AND IRRIGATION	1	0.0	1,549	1,549	0.0	1,549
107 WATERSHED PROT & MGMT	2	0.0	140,087	140,087	0.0	140,087
108 WEATHER ADAPT & MOD	1	0.0	12,467	12,467	0.0	12,467
111 BIOL CULT MGMT FORSTS	3	0.0	115,100	115,100	0.0	115,100
112 IMPROV RANGE RESOR	9	0.0	407,089	407,089	0.0	318,336
113 REMOTE SENSING	1	0.0	181,068	181,068	0.0	181,068
114 RSCH ON MGMT OF RSCH	4	0.0	134,819	134,819	0.0	134,819
SUBTOTAL		0.0	1,986,822	1,986,822	0.0	1,898,068
SERIES 200						
201 CNTRL FORST INSECTS	1	0.0	24,750	24,750	0.0	24,750
202 CONTROL FOREST DIS	1	0.0	3,810	3,810	0.0	3,810
204 CNTR PESTS FRT & VEG	46	0.0	1,046,529	1,046,529	0.0	1,046,529
205 CNTR OISE FRT & VEG	48	0.0	1,179,292	1,179,292	0.0	1,172,248
208 CNTR WEEDS FRT & VEG	9	0.0	88,504	88,504	0.0	88,504
207 CNTR PESTS FLD CROPS	47	0.0	1,187,590	1,187,590	0.0	1,187,590
208 CNTR OIS FIELD CROPS	43	0.0	1,082,885	1,082,885	0.0	1,082,885
209 CNTR WEEDS FLD CROPS	21	0.0	348,285	348,285	0.0	309,194
210 CNTR PESTS ANIMALS	7	0.0	419,041	419,041	0.0	389,075
211 CNTR OIS ANIMALS	50	0.0	4,918,314	4,918,314	0.0	4,789,314
212 CNTR INTER PARASITES	4	0.0	452,864	452,864	0.0	452,864
213 PROT ANMLS FROM TOXINS	2	0.0	86,030	86,030	0.0	86,030
214 PROTECT FROM POLLUTION	17	0.0	1,231,392	1,231,392	0.0	1,231,392
SUBTOTAL		0.0	12,080,387	12,060,387	0.0	11,814,285
SERIES 300						
301 GENET BREED FORST TRE	1	0.0	24,750	24,750	0.0	24,750
302 IMP FOREST ENG SYS	3	0.0	415,554	415,554	0.0	415,554
303 ECON TIMBER PRODUCTN	1	0.0	180,246	180,246	0.0	180,246
304 IMP BIO EFF FRT & VEG	29	0.0	1,897,855	1,897,855	0.0	1,841,545
306 PROD MGMT SYS F & V	3	0.0	134,693	134,693	0.0	134,693
307 IMP BIO EFF FLD CRP	18	0.0	972,706	972,706	0.0	972,706
308 MECH PROD FIELD CROPS	2	0.0	53,039	53,039	0.0	53,039
309 PROD MGMT SYS FLD CRP	10	0.0	310,644	310,644	0.0	310,644
310 ANIMAL REPRODUCTION	6	0.0	349,489	349,489	0.0	349,489
311 IMP BIO EFF ANML PR	11	0.0	504,659	504,659	0.0	504,659
312 ENV STRESS IN ANML PR	1	0.0	32,369	32,369	0.0	32,369
313 PROD MGMT SYS ANML PR	3	0.0	120,991	120,991	0.0	120,991
314 BEES OTH POLLNTNG INS	1	0.0	14,400	14,400	0.0	14,400
315 IMP STRUC FARM SUPP	2	0.0	266,942	266,942	0.0	266,942
316 FARM BUSINESS MGMT	1	0.0	54,036	54,036	0.0	54,036
318 NON COM BIO TECH/BIMET	6	0.0	736,113	736,113	0.0	257,176
SUBTOTAL		0.0	6,088,288	6,088,288	0.0	5,533,241
SERIES 400						
401 NEW IMP FOREST PROD	11	0.0	1,921,344	1,921,344	0.0	1,921,344
402 PROD F & V IMP ACCEPT	12	0.0	567,218	567,218	0.0	567,218
403 NEW & IMP F & V PROD	3	0.0	210,996	210,996	0.0	210,996
404 MKT QUAL FRTS & VEG	10	0.0	560,773	560,773	0.0	560,773
405 PROD FLD CRP IMP ACPT	3	0.0	107,818	107,818	0.0	107,818
406 NEW IMP FOOD FLD CRP	2	0.0	175,703	175,703	0.0	175,703
407 NEW IMP NON FOOD FC	4	0.0	436,934	436,934	0.0	436,934
408 MKT QUAL FIELD CROPS	1	0.0	1,277	1,277	0.0	1,277
409 PROD ANML PR IMP ACCP	4	0.0	288,833	288,833	0.0	288,833
410 IMP MEAT MILK EGG PR	2	0.0	75,082	75,082	0.0	75,082
411 IMP NON FOOD ANML PR	1	0.0	27,018	27,018	0.0	27,018
SUBTOTAL		0.0	4,372,997	4,372,997	0.0	4,372,997
SERIES 500						
501 IMP GRADES & STANDS	1	0.0	21,330	21,330	0.0	21,330
502 MKTG TIMBER PRODUCTS	1	0.0	270,370	270,370	0.0	270,370
503 MKTG EFF AGRI PRODS	4	0.0	171,588	171,588	0.0	171,588
506 SPLY DEMAND AND PRIC	4	0.0	210,087	210,087	0.0	210,087
507 COMP REL IN AGRIC	3	0.0	102,654	102,654	0.0	102,654
508 DOMESTIC MKT DEVELP	3	0.0	113,921	113,921	0.0	113,921
509 PERFORMANCE MKTG SYS	2	0.0	84,751	84,751	0.0	84,751
510 GROUP ACT MKT POWER	1	0.0	28,440	28,440	0.0	28,440
SUBTOTAL		0.0	1,003,142	1,003,142	0.0	1,003,142
SERIES 600						
601 FGN MKT DEVELP	8	0.0	3,550,541	3,550,541	0.0	3,550,541
603 TECH AID DEV CRTY	1	0.0	9,160	9,160	0.0	9,160
604 PRD DVLPMNT/MKTG FRGN	2	0.0	93,794	93,794	0.0	93,794
SUBTOTAL		0.0	3,653,495	3,653,495	0.0	3,653,495
SERIES 700						
701 TOX RES IN FOOD	32	0.0	2,301,771	2,301,771	0.0	2,301,771
702 FOOD PROT FROM TOX	1	0.0	54,036	54,036	0.0	54,036
703 FOOD CONSUMP HABITS	2	0.0	120,088	120,088	0.0	120,088
706 CNTR INSECTS AFF MAN	4	0.0	158,572	158,572	0.0	158,572
708 HUMAN NUTRITION	1	0.0	27,018	27,018	0.0	27,018
709 REDUCE HAZ HLTH & SFTY	1	0.0	2,942	2,942	0.0	2,942
SUBTOTAL		0.0	2,664,405	2,664,405	0.0	2,664,405
SERIES 800						
802 INDIV & FAM DEC MAKING	1	0.0	18,960	18,960	0.0	18,960
803 RURAL POVERTY	1	0.0	18,960	18,960	0.0	18,960
804 ECON POTENT RURL PED	1	0.0	33,180	33,180	0.0	33,180
805 COMMUNICAT EDUC PROC	2	0.0	8,700	8,700	0.0	8,700
806 ADJUSTMENT TO CHANGE	2	0.0	66,360	66,360	0.0	66,360
807 AGRIC ECONOMIC CHANGE	3	0.0	244,300	244,300	0.0	244,300
808 GOVT PROGRAMS	2	0.0	80,580	80,580	0.0	80,580
SUBTOTAL		0.0	471,040	471,040	0.0	471,040
SERIES 900						
901 ALLEV POLLUTION	12	0.0	935,004	935,004	0.0	935,004
904 WLOLFE AND FISH ECOL	15	0.0	4,555,972	4,555,972	0.0	2,975,874
905 TREES BEAUTIFICATION	1	0.0	3,300	3,300	0.0	3,300
906 ORNAMENT & TURF DEV	5	0.0	188,572	188,572	0.0	188,572
907 RURAL INCOME IMP	5	0.0	194,577	194,577	0.0	194,577
908 RURAL INSTITUT IMP	3	0.0	94,800	94,800	0.0	94,800
SUBTOTAL		0.0	5,950,225	5,950,225	0.0	4,389,927
SCIENCE IN SERV OF MAN						
GRAND TOTAL		0.0	38,230,800	38,230,800	0.0	35,780,800

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

COMPETITIVE RESEARCH GRANTS OFFICE

CRGO

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FEO APPR/ CSRS ADMSTRD [GROSS] 1988	TOTAL FUNDS [GROSS] 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 TIMBER FORST PRODUCT	33	0.0	3,540,020	3,540,020	0.0	883,384
1100 POTATOES	2	0.0	108,130	108,130	0.0	108,130
1200 VEGETABLES	5	0.0	520,000	520,000	0.0	0
1400 CORN	12	0.0	1,412,000	1,412,000	0.0	748,000
1600 RICE	1	0.0	100,000	100,000	0.0	100,000
1700 WHEAT	6	0.0	880,000	880,000	0.0	880,000
1800 OTHER SMALL GRAINS	2	0.0	192,000	192,000	0.0	92,000
2000 FORAGE CROPS	2	0.0	168,108	168,108	0.0	88,108
2100 COTTON	1	0.0	90,000	90,000	0.0	90,000
2300 SOYBEANS	6	0.0	574,500	574,500	0.0	294,500
2900 POULTRY	12	0.0	2,034,705	2,034,705	0.0	703,422
3000 BEEF CATTLE	23	0.0	2,982,948	2,982,948	0.0	1,782,647
3100 DAIRY CATTLE	8	0.0	577,812	577,812	0.0	486,500
3200 SWINE	12	0.0	1,776,267	1,776,267	0.0	808,540
3300 SHEEP AND WOOL	11	0.0	1,032,402	1,032,402	0.0	416,180
3400 OTHER ANIMALS	3	0.0	295,222	295,222	0.0	0
3800 FOOD	1	0.0	50,000	50,000	0.0	50,000
4000 PEOPLE AS INDIVIDUALS	16	0.0	1,913,662	1,913,662	0.0	532,704
4100 FAMILY MEMBERS	1	0.0	64,013	64,013	0.0	0
6100 WEEDS	2	0.0	165,000	165,000	0.0	165,000
6300 BIO CELL SYSTEMS	10	0.0	1,216,600	1,216,600	0.0	595,400
6500 INVERTEBRATES	56	0.0	4,090,180	4,090,180	0.0	1,638,631
6600 MICROORGANISMS VIRUSES	81	0.0	6,585,012	6,585,012	0.0	1,572,000
6700 PLANTS	98	0.0	9,385,910	9,385,910	0.0	3,397,170
6800 ANIMALS (VERTEBRATES)	10	0.0	1,734,972	1,734,972	0.0	370,000
TOTAL		0.0	41,300,485	41,300,485	0.0	15,481,277

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

COMPETITIVE RESEARCH GRANTS OFFICE

CRGO

CLASSIFICATION CATEGORY	ND DF PRDJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 100						
103 MGMT OF SALINE SOILS	1	0.0	85,000	85,000	0.0	85,000
109 WEATHER ADAPT & MDD	1	0.0	80,000	80,000	0.0	0
111 BIOL CULT MGMT FORSTS	9	0.0	1,349,758	1,349,758	0.0	192,000
SUBTOTAL		0.0	1,505,758	1,505,758	0.0	258,000
SERIES 200						
201 CNTRL FORST INSECTS	7	0.0	487,885	487,885	0.0	257,548
202 CONTROL FDREST DIS	1	0.0	80,000	80,000	0.0	0
204 CNTR PESTS FRT & VEGS	1	0.0	80,000	80,000	0.0	80,000
205 CNTR DISE FRT & VEG	3	0.0	330,000	330,000	0.0	150,000
206 CNTR WEEDS FRT & VEG	3	0.0	185,000	185,000	0.0	115,000
207 CNTR PESTS FLD CRDPS	14	0.0	1,048,500	1,048,500	0.0	713,000
208 CNTR DIS FIELD CRDPS	3	0.0	247,500	247,500	0.0	167,500
209 CNTR WEEDS FLD CRDPS	2	0.0	110,000	110,000	0.0	75,000
211 CNTR DIS ANIMALS	17	0.0	2,707,157	2,707,157	0.0	1,078,722
214 PRDTECT FROM POLLUTIDN	1	0.0	50,000	50,000	0.0	0
SUBTOTAL		0.0	5,316,842	5,316,842	0.0	2,848,770
SERIES 300						
301 GENET BREED FORST TRE	2	0.0	285,000	285,000	0.0	125,000
304 IMP BID EFF FRT & VEGS	8	0.0	719,130	719,130	0.0	189,130
307 IMP BID EFF FLD CRP	34	0.0	3,431,778	3,431,778	0.0	2,025,778
310 ANIMAL REPRODUCTION	30	0.0	4,564,300	4,564,300	0.0	2,101,780
311 IMP BID EFF ANML PR	11	0.0	1,802,152	1,802,152	0.0	1,118,787
312 ENV STRESS IN ANML PR	1	0.0	140,000	140,000	0.0	0
318 NON COM BID TECH/BIMET	197	0.0	19,828,111	19,828,111	0.0	8,157,248
SUBTOTAL		0.0	30,570,471	30,570,471	0.0	11,725,703
SERIES 400						
401 NEW IMP FOREST PRDD	14	0.0	1,422,000	1,422,000	0.0	198,100
407 NEW IMP NON FDDO FC	2	0.0	232,000	232,000	0.0	0
SUBTOTAL		0.0	1,654,000	1,654,000	0.0	198,100
SERIES 700						
708 HUMAN NUTRITION	20	0.0	2,253,398	2,253,398	0.0	852,704
SUBTOTAL		0.0	2,253,398	2,253,398	0.0	852,704
SCIENCE IN SERV OF MAN						
GRAND TOTAL		0.0	41,300,485	41,300,485	0.0	15,481,277

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

ECONOMIC RESEARCH SERVICE

ERS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CERS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	18	23.4	3,072,100	3,072,100	0.0	0
0200 WATER	15	15.6	2,108,550	2,108,550	0.0	0
0300 WATERSHEDS RIVER BAS	3	1.9	253,900	253,900	0.0	0
0500 RECREATION RESOURCES	1	0.9	118,750	118,750	0.0	0
0900 CITRUS SUB TROP FRUIT	4	1.8	236,900	236,900	0.0	0
1000 FRUIT NUTS DECIDUOUS	3	1.9	256,200	256,200	0.0	0
1100 POTATOES	2	3.5	381,300	381,300	0.0	0
1200 VEGETABLES	5	3.2	411,700	411,700	0.0	0
1300 ORNAMENTALS TURF	1	0.6	81,400	81,400	0.0	0
1400 CORN	9	4.4	870,850	870,850	0.0	0
1500 GRAIN SORGHUM	7	1.4	200,390	200,390	0.0	0
1800 RICE	5	2.1	250,400	250,400	0.0	0
1700 WHEAT	10	5.9	795,200	795,200	0.0	0
1800 OTHER SMALL GRAINS	7	1.9	276,010	276,010	0.0	0
1900 PASTURE	2	0.3	45,000	45,000	0.0	0
2000 FORAGE CROPS	3	0.7	98,750	98,750	0.0	0
2100 COTTON	9	4.6	668,500	668,500	0.0	0
2200 COTTONSEED	1	0.2	27,500	27,500	0.0	0
2300 SOYBEANS	7	4.6	680,050	680,050	0.0	0
2400 PEANUTS	2	0.2	31,600	31,600	0.0	0
2500 OTHER OILSEED CROPS	3	1.2	173,750	173,750	0.0	0
2900 TOBACCO	2	3.4	380,000	380,000	0.0	0
2700 SUGAR CROPS	4	5.4	764,200	764,200	0.0	0
2900 POULTRY	4	5.1	768,450	768,450	0.0	0
3000 BEEF CATTLE	4	5.6	1,027,600	1,027,600	0.0	0
3100 DAIRY CATTLE	7	8.1	1,084,750	1,084,750	0.0	0
3200 SWINE	5	5.7	738,400	738,400	0.0	0
3300 SHEEP AND WOOL	4	1.9	276,000	276,000	0.0	0
3500 BEES AND HONEY	1	0.7	83,000	83,000	0.0	0
3600 FARM SUPP & FACILITS	3	7.4	972,320	972,320	0.0	0
3700 CLOTHING & TEXTILES	2	0.8	108,700	108,700	0.0	0
3800 FOOD	8	12.5	1,784,400	1,784,400	0.0	0
4000 PEOPLE AS INDIVIDUALS	5	5.8	1,082,250	1,082,250	0.0	0
4100 FAMILY MEMBERS	7	9.8	1,439,750	1,439,750	0.0	0
4200 FARM AS BUSINESS	5	5.0	678,250	678,250	0.0	0
4300 SOC POLIT ORGANIZ	17	25.7	3,323,750	3,323,750	0.0	0
4400 AGRIC ECONOMY U S	46	74.3	9,439,040	9,439,275	0.0	0
4500 AGRIC ECONOMY FORGN	42	91.2	11,004,720	11,004,720	0.0	0
4800 MARKETING SYSTEMS	12	14.2	1,853,900	1,853,900	0.0	0
5700 PLANTS	2	2.3	275,320	275,320	0.0	0
5800 ANIMALS(VERTEBRATES)	1	1.0	134,000	134,000	0.0	0
5900 RESEARCH ON RSCH MGMT	1	0.5	50,500	50,500	0.0	0
TOTAL		357.8	48,201,000	48,208,235	0.0	0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

ECONOMIC RESEARCH SERVICE

ERS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 100						
102 SOIL PLNT WTR NUTRI	5	4.5	549,850	549,850	0.0	0
104 ALTERN USE OF LAND	15	26.0	3,438,000	3,438,000	0.0	0
105 CONSERV USE OF WATER	3	2.3	295,000	295,000	0.0	0
108 ECON LEG PROB OF WAT	3	8.0	1,047,500	1,047,500	0.0	0
114 RSCH ON MGMT OF RSCH	1	0.5	50,500	50,500	0.0	0
SUBTOTAL		41.4	5,480,850	5,480,850	0.0	0
SERIES 200						
214 PROTECT FROM POLLUTION	1	0.1	28,700	28,700	0.0	0
SUBTOTAL		0.1	28,700	28,700	0.0	0
SERIES 300						
313 PROD MGMT SYS ANML PR	2	1.6	207,680	207,680	0.0	0
314 BEES OTH POLLNTNG INS	1	0.7	83,000	83,000	0.0	0
316 FARM BUSINESS MGMT	4	3.2	414,300	414,300	0.0	0
SUBTOTAL		5.5	704,980	704,980	0.0	0
SERIES 500						
503 MKTG EFF AGRI PRODS	9	8.2	994,240	994,240	0.0	0
506 SPLY DEMAND AND PRIC	48	68.8	9,112,520	9,112,755	0.0	0
507 COMP REL IN AGRIC	9	10.0	1,496,860	1,496,860	0.0	0
508 DOMESTIC MKT DEVELP	4	4.7	714,500	714,500	0.0	0
509 PERFORMANCE MKTG SYS	25	26.2	3,834,700	3,841,700	0.0	0
SUBTOTAL		117.9	16,152,820	16,180,055	0.0	0
SERIES 800						
801 FGN MKT DEVELP	48	95.7	11,541,100	11,541,100	0.0	0
802 EVAL FGN FOOD AID PGM	1	0.1	16,800	16,800	0.0	0
803 TECH AID DEV CRTY	2	1.3	183,600	183,600	0.0	0
804 PRD DVLPMNT/MKTG FRGN	1	1.0	141,000	141,000	0.0	0
SUBTOTAL		98.1	11,882,500	11,882,500	0.0	0
SERIES 700						
702 FOOD PROT FROM TOX	1	0.5	76,750	76,750	0.0	0
703 FOOD CONSUMP HABITS	6	3.9	596,350	596,350	0.0	0
708 HUMAN NUTRITION	2	0.5	83,500	83,500	0.0	0
SUBTOTAL		4.9	756,600	756,600	0.0	0
SERIES 800						
804 ECON POTENT RURL PED	8	10.6	1,218,000	1,218,000	0.0	0
805 COMMUNICAT EDUC PROC	2	1.5	227,800	227,800	0.0	0
806 ADJUSTMENT TO CHANGE	5	7.0	1,433,200	1,433,200	0.0	0
807 AGRIC ECONOMIC CHANGE	30	42.3	5,397,000	5,397,000	0.0	0
808 GOVT PROGRAMS	15	15.5	1,893,800	1,893,800	0.0	0
SUBTOTAL		76.9	10,169,800	10,169,800	0.0	0
SERIES 900						
901 ALLEY POLLUTION	1	0.0	4,100	4,100	0.0	0
902 OUTDOOR RECREATION	1	0.9	118,750	118,750	0.0	0
904 WDLFE AND FISH ECOL	1	1.3	154,000	154,000	0.0	0
906 ORNAMENT & TURF DEV	1	0.6	81,400	81,400	0.0	0
907 RURAL INCOME IMP	4	8.5	1,032,100	1,032,100	0.0	0
908 RURAL INSTITUT IMP	9	11.6	1,634,400	1,634,400	0.0	0
SUBTOTAL		22.9	3,024,750	3,024,750	0.0	0
SCIENCE IN SERV OF MAN						
GRAND TOTAL		367.8	48,201,000	48,208,235	0.0	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

U S FOREST SERVICE

FS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	19	13.3	2,780,506	2,883,180	0.0		0
0200 WATER	9	8.1	1,228,569	1,249,262	0.0		0
0300 WATERSHEDS RIVER BAS	51	42.5	7,875,115	8,111,283	0.0		0
0400 AIR AND CLIMATE	10	5.1	1,080,988	1,190,334	0.0		0
0500 RECREATION RESOURCES	17	19.4	2,797,304	2,999,619	0.0		0
0600 TIMBER FORST PRODUCT	451	570.3	105,304,351	110,044,576	0.0		0
0700 RANGE	36	21.3	3,254,318	3,833,731	0.0		0
0800 WILDLIFE AND FISH	62	47.2	9,958,298	10,693,328	0.0		0
3900 HOUSING & EQUIP	4	5.2	943,379	985,098	0.0		0
4800 MARKETING SYSTEMS	1	0.2	19,456	19,456	0.0		0
6500 INVERTEBRATES	3	1.6	281,322	282,701	0.0		0
6900 RESEARCH ON RSCH MGMT	3	1.0	226,128	226,128	0.0		0
TOTAL		735.1	135,509,735	142,298,646	0.0		0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

U S FOREST SERVICE

FS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA	WITH SAES AMOUNT 1988
SERIES 100							
102 SOIL PLNT WTR NUTRI	23	20.9	2,807,983	2,723,918	0.0		0
104 ALTERN USE OF LAND	3	1.0	226,563	261,035	0.0		0
105 CONSERV USE OF WATER	1	0.8	196,496	217,180	0.0		0
107 WATERSHED PROT & MGMT	50	46.4	8,275,781	8,657,740	0.0		0
109 WEATHER ADAPT & MOD	3	1.9	221,572	222,499	0.0		0
110 APPRAIS FORST & RANGS	30	47.8	13,886,647	14,383,989	0.0		0
111 BIOL CULT MGMT FORSTS	139	157.3	23,419,860	24,431,661	0.0		0
112 IMPROV RANGE RESOR	17	10.2	1,587,825	1,708,626	0.0		0
113 REMOTE SENSING	1	0.0	318,760	318,760	0.0		0
114 RSCH ON MGMT OF RSCH	3	1.0	226,128	226,128	0.0		0
SUBTOTAL		287.3	50,947,614	53,151,535	0.0		0
SERIES 200							
201 CNTRL FORST INSECTS	64	73.4	13,889,984	13,949,383	0.0		0
202 CONTROL FOREST DIS	52	43.4	8,877,021	9,262,817	0.0		0
203 FOREST FIRE PROTECT	31	37.3	6,249,666	6,566,823	0.0		0
207 CNTR PESTS FLD CROPS	1	0.0	2,560	24,622	0.0		0
208 CNTR DIS FIELD CROPS	2	0.8	99,842	127,419	0.0		0
214 PROTECT FROM POLLUTION	7	12.7	4,853,461	4,872,517	0.0		0
SUBTOTAL		167.5	33,952,533	34,803,680	0.0		0
SERIES 300							
301 GENET BREED FORST TRE	26	24.6	4,567,144	4,925,485	0.0		0
302 IMP FOREST ENG SYS	15	20.8	2,984,540	3,056,453	0.0		0
303 ECON TIMBER PRODUCTN	21	15.3	1,944,473	2,186,483	0.0		0
SUBTOTAL		60.6	9,496,157	10,168,401	0.0		0
SERIES 400							
401 NEW IMP FOREST PROD	69	86.6	17,693,556	19,038,265	0.0		0
SUBTOTAL		86.6	17,693,556	19,038,265	0.0		0
SERIES 500							
502 MKTG TIMBER PRODUCTS	2	0.8	228,017	228,017	0.0		0
509 PERFORMANCE MKTG SYS	1	0.2	19,456	19,456	0.0		0
512 IMP GRADES FRST PROD	6	8.9	801,296	878,506	0.0		0
513 PRICE ANAL FRST PROD	13	18.5	2,773,843	2,888,570	0.0		0
SUBTOTAL		28.2	3,822,611	4,014,549	0.0		0
SERIES 800							
801 RURAL HOUSING	4	5.2	943,379	985,098	0.0		0
SUBTOTAL		5.2	943,379	985,098	0.0		0
SERIES 900							
901 ALLEY POLLUTION	26	14.8	4,180,332	4,328,355	0.0		0
902 OUTDOOR RECREATION	16	18.3	2,454,869	2,651,190	0.0		0
903 MULTI USE FOREST POTEN	17	18.3	1,718,579	2,125,622	0.0		0
904 WDLFE AND FISH ECOL	55	49.3	10,132,146	10,853,895	0.0		0
905 TREES BEAUTIFICATION	3	1.1	168,157	168,157	0.0		0
SUBTOTAL		99.6	18,653,863	20,137,219	0.0		0
SCIENCE IN SERV OF MAN							
GRAND TOTAL		735.1	135,509,735	142,298,646	0.0		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

HUMAN NUTRITION INFORMATION SERVICE

HNIS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	3	0.0	15,717	15,717	0.0	0
0800 CITRUS SUB TROP FRUT	3	0.0	27,521	27,521	0.0	0
1000 FRUIT NUTS DECIDUOUS	4	0.0	13,066	13,066	0.0	0
1100 POTATOES	1	0.0	1,839	1,839	0.0	0
1200 VEGETABLES	6	0.0	41,134	41,134	0.0	0
1400 CORN	2	0.0	3,182	3,182	0.0	0
1600 RICE	2	0.0	5,039	5,039	0.0	0
1700 WHEAT	6	0.0	33,161	33,161	0.0	0
1800 OTHER SMALL GRAINS	3	0.0	6,727	6,727	0.0	0
2300 SOYBEANS	1	0.0	3,545	3,545	0.0	0
2400 PEANUTS	1	0.0	3,545	3,545	0.0	0
2500 OTHER OILSEED CROPS	2	0.0	4,887	4,887	0.0	0
2700 SUGAR CROPS	1	0.0	1,343	1,343	0.0	0
2800 POULTRY	4	0.0	31,780	31,780	0.0	0
3000 BEEF CATTLE	1	0.0	3,545	3,545	0.0	0
3100 DAIRY CATTLE	4	0.0	28,122	28,122	0.0	0
3200 SWINE	2	0.0	6,745	6,745	0.0	0
3400 OTHER ANIMALS	1	0.0	1,343	1,343	0.0	0
3800 FOOD	27	12.9	5,694,826	5,694,826	0.0	0
4000 PEOPLE AS INDIVIDUALS	9	1.6	2,357,201	2,357,201	0.0	0
4100 FAMILY MEMBERS	3	4.0	849,981	849,981	0.0	0
6700 PLANTS	1	0.0	603	603	0.0	0
8800 ANIMALS (VERTEBRATES)	1	0.0	603	603	0.0	0
TOTAL		18.5	9,136,254	9,136,254	0.0	0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

HUMAN NUTRITION INFORMATION SERVICE

HNIS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 700						
703 FOOD CONSUMP HABITS	21	11.7	6,913,288	6,913,288	0.0	0
708 HUMAN NUTRITION	20	6.7	2,184,966	2,184,966	0.0	0
SUBTOTAL		18.3	9,098,254	9,098,254	0.0	0
SERIES 800						
802 INDIV & FAM DEC MAKING	1	0.2	38,000	38,000	0.0	0
SUBTOTAL		0.2	38,000	38,000	0.0	0
SCIENCE IN SERV OF MAN						
GRAND TOTAL		18.5	9,136,254	9,136,254	0.0	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

SMALL BUSINESS INNOVATIVE RESEARCH GRANTS

SBIR

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	3	0.0	329,880	329,880	0.0	0
0200 WATER	1	0.0	179,920	179,920	0.0	0
0800 TIMBER FORST PRODUCT	5	0.0	338,115	338,115	0.0	0
0800 WILDLIFE AND FISH	1	0.0	28,834	28,834	0.0	0
0800 CITRUS SUB TROP FRUIT	2	0.0	99,805	99,805	0.0	0
1000 FRUIT NUTS DECIDUOUS	1	0.0	180,000	180,000	0.0	0
1200 VEGETABLES	2	0.0	439,850	439,850	0.0	0
2800 MISC NEW CROPS	1	0.0	50,000	50,000	0.0	0
2900 POULTRY	2	0.0	197,845	197,845	0.0	0
3000 BEEF CATTLE	1	0.0	49,910	49,910	0.0	0
3200 SWINE	2	0.0	280,000	280,000	0.0	0
3400 OTHER ANIMALS	1	0.0	25,000	25,000	0.0	0
3800 FOOD	6	0.0	694,801	694,801	0.0	0
4000 PEOPLE AS INDIVIDUALS	2	0.0	192,374	192,374	0.0	0
4300 SOC POLIT ORGANIZ	2	0.0	220,000	220,000	0.0	0
8500 INVERTEBRATES	1	0.0	180,000	180,000	0.0	0
8700 PLANTS	3	0.0	147,107	147,107	0.0	0
TOTAL		0.0	3,849,422	3,849,422	0.0	0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

SMALL BUSINESS INNOVATIVE RESEARCH GRANTS

SBIR

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 100						
102 SOIL PLNT WTR NUTRI	1	0.0	50,000	50,000	0.0	0
105 DRAIN AND IRRIGATION	2	0.0	408,920	408,920	0.0	0
109 WEATHER ADAPT & MOD SUBTOTAL	1	0.0	190,000	190,000	0.0	0
		0.0	649,920	649,920	0.0	0
SERIES 200						
204 CNTR PESTS FRT & VEGS	4	0.0	498,457	498,457	0.0	0
205 CNTR DISE FRT & VEG	2	0.0	52,500	52,500	0.0	0
207 CNTR PESTS FLD CROPS	1	0.0	12,500	12,500	0.0	0
208 CNTR DIS FIELD CROPS	1	0.0	12,500	12,500	0.0	0
211 CNTR DIS ANIMALS SUBTOTAL	2	0.0	199,946	199,946	0.0	0
		0.0	785,903	785,903	0.0	0
SERIES 300						
306 PROD MGMT SYS F & V	1	0.0	49,899	49,899	0.0	0
310 ANIMAL REPRODUCTION	2	0.0	97,810	97,810	0.0	0
313 PROD MGMT SYS ANML PR	1	0.0	230,000	230,000	0.0	0
318 NON COM BIO TECH/BIMET SUBTOTAL	1	0.0	190,000	190,000	0.0	0
		0.0	557,709	557,709	0.0	0
SERIES 400						
401 NEW IMP FOREST PROD	4	0.0	286,858	286,858	0.0	0
403 NEW & IMP F & V PROD	2	0.0	82,021	82,021	0.0	0
407 NEW IMP NON FOOD FC	1	0.0	50,000	50,000	0.0	0
409 PROD ANML PR IMP ACCP	2	0.0	99,046	99,046	0.0	0
411 IMP NON FOOD ANML PR SUBTOTAL	1	0.0	25,000	25,000	0.0	0
		0.0	542,725	542,725	0.0	0
SERIES 500						
512 IMP GRADES FRST PROD SUBTOTAL	1	0.0	49,457	49,457	0.0	0
		0.0	49,457	49,457	0.0	0
SERIES 700						
701 TOX RES IN FOOD	2	0.0	358,840	358,840	0.0	0
702 FOOD PROT FROM TOX	1	0.0	205,000	205,000	0.0	0
708 HUMAN NUTRITION SUBTOTAL	1	0.0	149,874	149,874	0.0	0
		0.0	713,614	713,614	0.0	0
SERIES 800						
804 ECON POTENT RURL PED SUBTOTAL	2	0.0	87,400	87,400	0.0	0
		0.0	87,400	87,400	0.0	0
SERIES 900						
901 ALLEY POLLUTION	1	0.0	49,850	49,850	0.0	0
904 WDLFE AND FISH ECOL	1	0.0	26,834	26,834	0.0	0
908 RURAL INSTITUT IMP SUBTOTAL	1	0.0	195,000	195,000	0.0	0
		0.0	271,684	271,684	0.0	0
SCIENCE IN SERV OF MAN GRAND TOTAL		0.0	3,849,422	3,849,422	0.0	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

NATIONAL TOTAL SAEs - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG PED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAEs AMOUNT 1988
0100 SOIL AND LAND	1122	351.5	8,142,908	85,931,247	*	3,419,305
0200 WATER	678	207.1	3,932,088	38,284,883	*	1,520,788
0300 WATERSHEDS RIVER BAS	196	39.3	1,245,814	7,547,885	*	343,741
0400 AIR AND CLIMATE	128	39.4	890,808	7,183,885	*	173,820
0500 RECREATION RESOURCES	128	38.4	797,805	5,044,783	*	281,322
0800 TIMBER FORST PRODUCT	1493	587.9	17,055,559	105,958,790	*	13,868,841
0700 RANGE	291	109.8	2,340,815	16,594,302	*	787,348
0800 WILDLIFE AND FISH	728	257.7	4,884,300	53,155,578	*	3,327,957
0900 CITRUS SUB TROP FRUT	290	110.8	1,407,628	20,553,314	*	1,950,077
1000 FRUIT NUTS DECIDUOUS	975	319.3	8,392,980	65,591,358	*	3,232,987
1100 POTATOES	330	99.0	2,472,012	18,121,680	*	2,492,714
1200 VEGETABLES	1342	448.0	13,255,194	81,885,990	*	3,475,878
1300 ORNAMENTALS TURF	555	209.1	5,119,514	36,249,248	*	529,543
1400 CORN	905	208.2	6,287,439	41,867,147	*	2,074,518
1500 GRAIN SORGHUM	302	87.0	1,124,998	12,409,965	*	273,824
1600 RICE	146	50.6	839,080	10,498,883	*	243,425
1700 WHEAT	685	197.1	3,773,203	34,824,505	*	2,043,839
1800 OTHER SMALL GRAINS	365	84.3	2,013,553	15,972,319	*	894,044
1900 PASTURE	122	27.3	1,088,315	4,800,188	*	171,888
2000 FORAGE CROPS	819	216.0	8,787,194	39,893,858	*	1,819,083
2100 COTTON	319	112.5	2,567,290	19,955,071	*	587,948
2200 COTTONSEED	7	0.9	17,092	199,755	*	10,532
2300 SOYBEANS	871	224.5	7,322,855	42,544,791	*	1,928,205
2400 PEANUTS	144	42.6	751,427	8,543,293	*	229,887
2500 OTHER OILSEED CROPS	115	30.2	911,100	5,833,445	*	887,788
2600 TOBACCO	153	57.0	1,083,851	12,417,015	*	157,952
2700 SUGAR CROPS	132	38.5	1,131,309	7,474,432	*	133,829
2800 MISC NEW CROPS	167	37.9	1,111,105	8,195,952	*	824,284
2900 POULTRY	729	287.6	9,015,350	56,488,014	*	2,055,932
3000 BEEF CATTLE	1407	485.7	13,510,519	118,221,291	*	6,382,714
3100 DAIRY CATTLE	1213	354.9	12,210,907	92,797,055	*	3,870,537
3200 SWINE	760	198.5	7,925,556	52,254,708	*	2,907,118
3300 SHEEP AND WOOL	397	104.9	2,841,677	23,475,747	*	1,504,387
3400 OTHER ANIMALS	614	210.1	4,894,156	45,195,279	*	834,462
3500 BEES AND HONEY	33	11.4	104,817	1,921,869	*	179,447
3600 FARM SUPP & FACILITS	82	26.1	727,156	4,422,862	*	189,439
3700 CLOTHING & TEXTILES	98	21.0	829,857	3,120,014	*	50,071
3800 FOOD	445	167.2	4,951,481	32,368,358	*	1,882,675
3900 HOUSING & EQUIP	149	44.0	1,510,523	7,233,153	*	81,879
4000 PEOPLE AS INDIVIDUALS	568	171.4	4,819,539	27,371,595	*	568,083
4100 FAMILY MEMBERS	272	69.5	1,978,177	9,419,848	*	221,779
4200 FARM AS BUSINESS	215	76.2	1,976,376	9,044,387	*	288,882
4300 SOC POLIT ORGANIZ	361	125.8	4,193,035	19,316,058	*	955,184
4400 AGRIC ECONOMY U S	141	51.7	1,049,722	8,045,129	*	674,837
4500 AGRIC ECONOMY FORGN	38	29.3	189,614	6,996,438	*	427,089
4800 FARM COOPERATIVES	29	6.4	107,667	834,937	*	91,482
4700 OTH MARKET PROCESS	25	3.4	181,031	548,116	*	20,240
4800 MARKETING SYSTEMS	81	21.3	767,876	3,034,071	*	245,577
6100 WEEDS	135	31.1	821,625	6,818,709	*	459,129
6200 SEED RESEARCH	56	23.0	288,929	4,814,242	*	83,493
6300 BIO CELL SYSTEMS	284	108.6	1,770,411	26,107,482	*	372,429
6400 EXP DESIGN/STAT METHOD	114	41.4	474,216	7,057,224	*	1,038,844
6500 INVERTEBRATES	481	156.6	3,522,510	26,881,928	*	2,522,491
6600 MICROORGANISMS VIRUSES	541	156.1	3,821,886	35,868,779	*	3,947,574
6700 PLANTS	885	274.8	6,515,352	58,463,866	*	6,805,094
6800 ANIMALS(VERTEBRATES)	479	269.3	2,985,048	48,322,408	*	1,020,599
6900 RESEARCH ON RSCH MGMT	47	33.5	988,537	9,598,311	*	204,265
7000 RSCH EQUIP & TECHNOLOGY	141	43.3	786,420	9,088,420	*	671,478
TOTAL		7789.2	201,976,846	1,541,835,716	*	87,547,430

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

NATIONAL TOTAL SAEs - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAEs AMOUNT 1988
SERIES 100						
101 APPRAIS OF SOIL RESOR	230	83.4	1,827,130	15,305,525	*	871,428
102 SOIL PLNT WTR NUTRI	831	274.6	7,146,759	54,131,187	*	3,259,264
103 MGMT OF SALINE SOILS	73	20.1	488,261	4,191,424	*	47,590
104 ALTERN USE OF LAND	134	28.3	704,408	4,850,839	*	283,689
105 CONSERV USE OF WATER	318	98.2	2,153,889	18,405,406	*	907,296
106 DRAIN AND IRRIGATION	130	49.1	833,357	10,153,453	*	184,810
107 WATERSHED PROT & MGMT	175	56.7	1,217,981	9,238,684	*	715,792
108 ECON LEG PROB OF WAT	72	21.9	458,975	3,135,289	*	156,856
109 WEATHER ADAPT & MGD	151	53.5	1,128,126	8,253,729	*	169,675
110 APPRAIS FORST & RANGS	143	52.7	1,231,617	6,859,848	*	301,162
111 BIDL CULT MGMT FORSTS	406	165.3	4,187,842	28,783,388	*	4,204,853
112 IMPROV RANGE RESOR	199	63.1	1,425,560	10,317,337	*	509,797
113 REMOTE SENSING	76	24.7	611,493	3,713,189	*	253,956
114 RSCH ON MGMT OF RSCH	47	33.5	988,537	9,598,311	*	204,285
SUBTOTAL		1026.3	24,203,735	184,737,608	*	12,070,414
SERIES 200						
201 CNTRL FORST INSECTS	181	45.6	2,061,170	8,745,660	*	1,859,641
202 CONTROL FOREST DIS	143	37.1	1,485,746	6,285,188	*	518,955
203 FOREST FIRE PROTECT	16	6.0	189,550	832,481	*	68,118
204 CNTR PESTS FRT & VEGS	507	145.3	3,751,040	27,088,346	*	1,991,171
205 CNTR OISE FRT & VEG	735	234.7	4,498,310	43,540,107	*	3,828,261
206 CNTR WEEDS FRT & VEG	165	38.1	1,201,809	7,168,440	*	244,386
207 CNTR PESTS FLD CROPS	830	199.8	5,399,431	33,800,179	*	2,511,121
208 CNTR DIS FLD CROPS	721	222.3	5,320,678	40,287,074	*	1,895,439
209 CNTR WEEDS FLD CROPS	340	117.9	2,881,874	22,322,517	*	882,661
210 CNTR PESTS ANIMALS	159	45.1	1,216,276	7,581,250	*	403,471
211 CNTR DIS ANIMALS	1288	603.8	8,898,378	115,872,946	*	6,903,580
212 CNTR INTER PARASITES	132	38.6	1,025,646	6,724,887	*	322,648
213 PROT ANMLS FROM TOXINS	127	94.2	1,037,807	17,510,056	*	102,916
214 PROTECT FROM POLLUTION	222	73.1	1,933,869	19,752,784	*	3,182,881
SUBTOTAL		1901.6	40,881,383	357,301,875	*	24,815,248
SERIES 300						
301 GENET BREED FORST TRE	127	51.5	1,673,637	11,531,549	*	708,412
302 IMP FOREST ENG SYS	57	20.4	850,586	3,847,899	*	641,713
303 ECON TIMBER PRODUCTN	75	23.5	771,923	4,182,368	*	208,914
304 IMP BIO EFF FRT & VEGS	990	329.5	9,393,063	85,153,352	*	3,281,656
305 MECH PROD FRT & VEGS	93	25.6	840,066	4,794,470	*	46,209
306 PROD MGMT SYS F & V	130	26.4	704,260	5,537,628	*	275,069
307 IMP BIO EFF FLD CRP	1316	531.9	13,569,006	107,792,505	*	5,226,161
308 MECH PROD FLD CROPS	101	31.2	862,536	5,115,503	*	111,206
309 PROD MGMT SYS FLD CRP	364	99.9	2,371,192	16,748,346	*	442,684
310 ANIMAL REPRODUCTION	606	213.3	8,295,000	58,645,986	*	3,918,470
311 IMP BIO EFF ANML PR	1227	474.5	20,102,498	138,049,229	*	4,281,261
312 ENV STRESS IN ANML PR	184	53.6	1,741,919	11,077,142	*	174,947
313 PROD MGMT SYS ANML PR	278	66.9	1,999,171	16,574,720	*	180,518
314 BEES OTH POLLNTNG INS	33	11.4	104,817	1,921,969	*	179,447
315 IMP STRUC FARM SUPP	92	38.1	1,022,869	6,140,514	*	141,290
316 FARM BUSINESS MGMT	161	54.0	1,382,499	6,352,876	*	193,789
317 MECH/STRUCTS ANML PRO	30	6.3	140,135	1,231,026	*	2
318 NON COM BIO TECH/BIMET	1487	558.0	11,962,805	124,258,341	*	8,708,316
SUBTOTAL		2617.0	77,587,981	589,956,424	*	28,731,165
SERIES 400						
401 NEW IMP FOREST PROD	254	111.3	2,778,301	20,185,980	*	2,840,355
402 PROD F & V IMP ACCEPT	277	49.8	1,262,382	10,313,033	*	414,794
403 NEW & IMP F & V PROD	155	57.4	1,307,811	10,284,046	*	244,685
404 MKT QUAL FRTS & VEGS	175	56.3	1,452,233	10,414,340	*	345,145
405 PROD FLD CROP IMP ACPT	255	87.5	1,858,995	18,575,152	*	790,200
406 NEW IMP FOOD FLD CROP	149	46.4	1,134,880	8,885,733	*	75,187
407 NEW IMP NON FOOD FC	79	23.7	508,431	5,417,886	*	400,851
408 MKT QUAL FLD CROPS	88	25.5	796,868	4,320,124	*	90,865
409 PROD ANML PR IMP ACPC	145	40.3	1,612,024	11,157,880	*	552,794
410 IMP MEAT MILK EGG PR	237	92.0	2,524,256	16,584,242	*	387,144
411 IMP NON FOOD ANML PR	17	4.4	146,300	760,227	*	3,218
412 MKT QUAL ANIMAL PROD	81	19.7	604,095	3,985,760	*	1,326
SUBTOTAL		614.2	15,987,386	120,665,406	*	6,146,546
SERIES 500						
501 IMP GRADES & STANOS	43	9.0	261,452	1,628,998	*	188,871
502 MKTG TIMBER PRODUCTS	37	9.6	320,767	1,232,740	*	291,907
503 MKTG EFF AGRI PRODS	155	38.8	1,106,657	5,742,033	*	437,269
506 SPLY DEMAND AND PRIC	195	53.7	1,546,717	8,800,942	*	715,240
507 COMP REL IN AGRIC	50	9.7	272,425	1,691,438	*	126,473
508 DOMESTIC MKT DEVELP	56	12.3	500,885	2,181,823	*	116,693
509 PERFORMANCE MKTG SYS	157	41.9	1,541,756	5,735,816	*	261,888
510 GROUP ACT MKT POWER	21	5.3	101,773	761,870	*	85,398
511 IMP AGRIC STATISTICS	36	8.8	212,959	2,280,797	*	967,097
512 IMP GRADES FRST PROD	10	1.0	49,388	305,417	*	57,717
513 PRICE ANAL FRST PROD	24	6.5	164,336	951,722	*	134,044
SUBTOTAL		198.5	6,079,115	31,293,597	*	3,382,598
SERIES 600						
601 FGN MKT DEVELP	88	40.8	805,817	8,535,052	*	845,530
602 EVAL FGN FOOD AID PGM	3	1.0	18,017	341,977	*	103,748
603 TECH AID DEV CRTY	57	31.2	94,864	9,922,855	*	270,124
604 PRO OVLPMT/MKTG FRGN	26	6.0	193,731	1,265,192	*	108,875
SUBTOTAL		79.0	912,229	20,065,076	*	1,128,278
SERIES 700						
701 TOX RES IN FOOD	140	44.8	1,423,708	8,391,991	*	1,530,275
702 FOOD PROT FROM TOX	175	53.9	1,902,748	12,341,607	*	223,137
703 FOOD CONSUMP HABITS	129	35.3	1,477,998	5,718,294	*	488,964
704 HOME COMM FOOD SERV	31	8.7	351,123	1,215,487	*	38,677
705 SEL CARE CLOTH & TEXTL	83	18.1	666,708	2,423,556	*	29,120
706 CONTR INSECTS AFF MAN	117	39.4	805,895	6,617,831	*	62,649
707 TRANS ANML MAN OIS	38	14.4	106,498	2,847,412	*	57,782
708 HUMAN NUTRITION	385	141.8	4,055,903	28,654,865	*	1,812,862
709 REDUCE HAZ HLTH & SFTY	66	12.9	343,961	2,375,657	*	26,581
SUBTOTAL		367.3	11,133,542	70,586,501	*	4,270,058

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA -- NATIONAL TOTAL SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 800						
801 RURAL HOUSING	56	13.3	613,358	1,783,956	*	5,932
802 INDIV & FAM DEC MAKING	202	53.5	1,230,729	5,182,769	*	21,504
803 RURAL POVERTY	26	5.2	137,249	807,973	*	49,121
804 ECON POTENT RURL PED	95	24.7	1,305,146	2,625,023	*	20,976
805 COMMUNICAT EDUC PROC	120	39.3	1,024,009	5,764,930	*	115,865
806 ADJUSTMENT TO CHANGE	194	51.9	1,892,218	7,304,288	*	112,559
807 AGRIC ECONOMIC CHANGE	157	57.5	1,554,630	7,626,163	*	336,972
808 GOVT PROGRAMS	52	16.4	383,617	2,558,256	*	172,987
SUBTOTAL		262.0	7,921,155	35,053,359	*	836,016
SERIES 900						
901 ALLEY POLLUTION	448	157.4	3,651,573	31,090,415	*	1,806,720
902 OUTDOOR RECREATION	124	36.3	750,349	5,056,285	*	329,421
903 MULTI USE FOREST POTEN	92	18.9	714,433	3,183,355	*	82,324
904 WLOLFE AND FISH ECOL	630	223.8	4,253,803	45,102,081	*	2,872,598
905 TREES BEAUTIFICATION	100	24.9	565,555	3,585,940	*	285,135
906 ORNAMENT & TURF DEV	513	189.5	4,602,453	32,933,319	*	273,673
907 RURAL INCOME IMP	108	32.5	1,070,386	4,392,569	*	166,472
908 RURAL INSTITUTE IMP	154	42.1	1,651,658	5,832,107	*	548,762
SUBTOTAL		725.4	17,270,321	132,175,071	*	6,165,107
SCIENCE IN SERV OF MAN						
GRAND TOTAL		7789.2	201,976,846	1,541,635,716	*	87,547,430

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

NATIONAL TOTAL SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CRS ADMSTRO (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	1084	337.4	7,475,358	63,707,532	*	3,288,302
0200 WATER	850	188.5	3,597,845	38,479,877	*	1,504,327
0300 WATERSHEDS RIVER BAS	137	31.3	885,547	6,030,920	*	301,223
0400 AIR AND CLIMATE	113	35.1	763,830	8,003,883	*	113,878
0500 RECREATION RESOURCES	94	30.0	813,484	4,170,502	*	215,001
0600 TIMBER FORST PRODUCT	1029	380.2	12,346,862	72,821,987	*	10,488,778
0700 RANGE	275	103.4	2,087,034	15,814,833	*	752,968
0800 WILDLIFE AND FISH	801	218.0	3,143,875	48,799,434	*	2,844,787
0900 CITRUS SUB TROP FRUIT	287	110.0	1,298,819	20,444,305	*	1,950,077
1000 FRUIT NUTS DECIDUOUS	968	316.9	8,117,214	85,294,881	*	3,232,887
1100 POTATOES	329	95.7	2,423,836	18,073,019	*	2,492,714
1200 VEGETABLES	1307	418.1	9,971,706	78,554,376	*	3,475,878
1300 ORNAMENTALS TURF	552	207.0	4,843,135	36,052,786	*	529,543
1400 CORN	890	206.7	5,613,983	40,991,523	*	2,074,518
1500 GRAIN SORGHUM	297	66.3	1,052,837	12,225,288	*	250,789
1600 RICE	148	50.8	639,060	10,498,883	*	243,425
1700 WHEAT	678	196.2	3,571,891	34,822,026	*	2,043,839
1800 OTHER SMALL GRAINS	359	82.9	1,833,400	15,774,101	*	894,044
1900 PASTURE	121	26.9	989,823	4,731,895	*	171,888
2000 FORAGE CROPS	808	212.4	8,303,084	39,187,193	*	1,793,045
2100 COTTON	317	112.5	2,388,423	19,778,203	*	587,848
2200 COTTONSEED	7	0.9	17,092	198,755	*	10,532
2300 SOYBEANS	848	205.8	5,292,503	40,378,074	*	1,928,205
2400 PEANUTS	141	40.1	848,456	8,221,003	*	229,887
2500 OTHER OILSEED CROPS	112	29.2	485,412	5,707,138	*	887,788
2600 TOBACCO	151	56.4	1,015,086	12,274,280	*	157,952
2700 SUGAR CROPS	130	37.9	1,017,827	7,357,887	*	133,829
2800 MISC NEW CROPS	183	36.3	970,079	8,039,475	*	924,284
2900 POULTRY	841	231.4	7,370,372	49,190,285	*	1,800,786
3000 BEEF CATTLE	1225	395.4	11,882,557	100,848,488	*	5,449,349
3100 DAIRY CATTLE	1033	305.5	11,042,800	83,039,788	*	3,156,539
3200 SWINE	810	183.1	8,633,347	44,488,136	*	2,306,777
3300 SHEEP AND WOOL	344	79.9	2,528,845	18,849,592	*	1,182,849
3400 OTHER ANIMALS	309	78.9	2,112,112	18,951,504	*	508,814
3500 BEES AND HONEY	33	11.4	104,817	1,921,989	*	179,447
3600 FARM SUPP & FACILITS	80	25.8	552,457	4,248,283	*	189,439
3700 CLOTHING & TEXTILES	88	17.4	453,588	2,743,755	*	50,071
3800 FOOD	425	159.0	4,085,714	31,478,271	*	1,882,675
3900 HOUSING & EQUIP	139	41.8	1,159,281	8,881,911	*	81,879
4000 PEOPLE AS INDIVIDUALS	518	148.7	2,898,861	23,981,290	*	557,052
4100 FAMILY MEMBERS	255	82.2	1,238,150	8,636,483	*	221,779
4200 FARM AS BUSINESS	208	73.3	1,609,646	8,872,083	*	268,882
4300 SOC POLIT ORGANIZ	337	114.8	2,964,116	17,926,416	*	955,184
4400 AGRIC ECONOMY U S	138	51.8	1,025,026	8,012,948	*	674,837
4500 AGRIC ECONOMY FORGN	38	29.3	169,614	8,998,438	*	427,089
4600 FARM COOPERATIVES	29	6.4	107,667	834,937	*	91,482
4700 OTH MARKET PROCESS	23	3.4	107,212	474,297	*	20,240
4800 MARKETING SYSTEMS	76	19.7	474,812	2,740,035	*	245,577
6100 WEEDS	133	30.8	786,968	6,528,730	*	403,807
6200 SEED RESEARCH	55	22.7	183,929	4,661,642	*	83,493
6300 BIO CELL SYSTEMS	270	102.4	1,452,583	24,600,963	*	372,429
6400 EXP DESIGN/STAT METHOD	111	40.8	389,422	6,873,714	*	1,035,862
6500 INVERTEBRATES	453	149.6	2,558,303	25,687,459	*	2,522,491
6600 MICROORGANISMS VIRUSES	485	146.2	2,445,240	33,145,460	*	3,876,578
6700 PLANTS	829	260.3	4,277,086	54,879,897	*	6,531,332
6800 ANIMALS (VERTEBRATES)	374	128.5	2,408,507	29,202,871	*	982,846
6900 RESEARCH ON RSCH MGMT	45	32.1	848,876	9,417,050	*	204,285
7000 RSCH EQUIP & TECHNOLOGY	121	38.8	850,139	8,302,138	*	645,500
TOTAL		8824.0	183,789,187	1,374,228,108	*	79,790,543

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA -- NATIONAL TOTAL SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA	WITH SAES AMOUNT 1988
SERIES 100							
101 APPRAIS OF SOIL RESOR	216	81.3	1,543,557	14,997,498	*		831,448
102 SOIL PLNT WTR NUTRI	780	259.4	8,146,275	51,250,185	*		3,094,142
103 MGMT OF SALINE SOILS	71	18.8	373,244	4,047,916	*		47,590
104 ALTERN USE OF LAND	127	27.8	656,835	4,592,432	*		283,689
105 CONSERV USE OF WATER	312	94.5	1,798,958	15,974,385	*		907,298
106 DRAIN AND IRRIGATION	130	49.1	833,357	10,153,453	*		184,810
107 WATERSHED PROT & MGMT	156	51.8	1,113,350	8,566,151	*		634,219
108 ECON LEG PROB OF WAT	70	21.8	458,975	2,980,026	*		156,856
109 WEATHER ADAPT & MDO	141	50.6	1,048,101	7,922,101	*		189,675
110 APPRAIS FORST & RANGS	105	35.7	928,520	5,466,567	*		228,090
111 BIDL CULT MGMT FORSTS	274	95.7	3,238,649	18,893,870	*		3,232,149
112 IMPROV RANGE RESOR	187	58.0	1,313,004	9,743,920	*		502,953
113 REMOTE SENSING	61	17.0	465,859	3,055,859	*		172,445
114 RSCH ON MGMT OF RSCH	45	32.1	848,876	9,417,050	*		204,265
SUBTOTAL		893.8	20,767,697	166,861,233	*		10,649,606
SERIES 200							
201 CNTRL FORST INSECTS	145	40.4	1,287,194	7,172,538	*		1,707,423
202 CONTROL FOREST DIS	108	30.2	1,175,193	5,182,814	*		389,277
203 FOREST FIRE PROTECT	7	3.7	128,146	403,951	*		5,424
204 CNTR PESTS FRT & VEGS	501	144.0	3,547,849	26,884,954	*		1,891,171
205 CNTR DISE FRT & VEG	730	233.5	4,392,429	43,434,226	*		3,828,261
206 CNTR WEEDS FRT & VEG	180	37.6	1,091,282	7,051,435	*		244,386
207 CNTR PESTS FLD CROPS	816	193.2	4,559,649	32,886,589	*		2,511,121
208 CNTR DIS FIELD CROPS	718	220.8	5,177,079	40,147,480	*		1,995,439
209 CNTR WEEDS FLD CROPS	336	117.6	2,881,674	22,198,986	*		826,289
210 CNTR PESTS ANIMALS	155	42.9	1,180,474	7,475,820	*		403,471
211 CNTR DIS ANIMALS	766	272.3	6,853,517	59,317,899	*		4,514,452
212 CNTR INTER PARASITES	100	34.1	986,668	5,879,041	*		188,723
213 PROT ANMLS FROM TOXINS	96	34.9	834,786	7,120,194	*		98,597
214 PROTECT FROM POLLUTION	192	49.7	1,647,575	13,531,503	*		2,764,487
SUBTOTAL		1454.9	35,746,584	278,667,229	*		21,448,532
SERIES 300							
301 GENET BREED FORST TRE	95	37.4	1,176,653	8,072,736	*		568,267
302 IMP FOREST ENG SYS	32	10.7	198,840	2,072,840	*		450,805
303 ECON TIMBER PRODUCTN	59	17.9	692,730	3,407,567	*		78,833
304 IMP BID EFF FRT & VEGS	963	309.2	7,122,516	63,852,750	*		3,291,656
305 MECH PROD FRT & VEGS	92	25.2	775,366	4,729,770	*		46,209
306 PROD MGMT SYS F & V	128	25.7	592,298	5,425,866	*		275,089
307 IMP BID EFF FLD CRP	1271	517.3	11,108,491	105,038,556	*		5,522,161
308 MECH PROD FIELD CROPS	100	30.8	784,353	5,037,330	*		111,206
309 PROD MGMT SYS FLD CRP	361	98.0	2,194,587	16,525,232	*		397,034
310 ANIMAL REPRODUCTION	531	185.3	6,797,875	52,411,048	*		3,518,807
311 IMP BID EFF ANML PR	1102	432.4	16,219,557	128,082,724	*		4,089,604
312 ENV STRESS IN ANML PR	187	48.1	1,485,009	10,085,005	*		174,947
313 PROD MGMT SYS ANML PR	276	86.2	1,982,840	16,462,272	*		175,499
314 BEES OTH POLLNTNG INS	33	11.4	104,817	1,921,969	*		179,447
315 IMP STRUC FARM SUPP	90	37.6	848,170	5,965,815	*		141,290
316 FARM BUSINESS MGMT	155	51.7	1,086,083	6,056,148	*		193,789
317 MECH/STRUCTS ANML PRD	30	6.3	140,135	1,231,026	*		2
318 NON COM BID TECH/BIMET	1362	518.5	7,504,549	114,165,834	*		8,808,286
SUBTOTAL		2429.8	60,815,651	551,525,307	*		27,506,912
SERIES 400							
401 NEW IMP FOREST PROD	157	87.2	1,504,967	12,489,388	*		2,138,516
402 PROD F & V IMP ACCEP	274	47.3	1,011,507	10,062,147	*		414,794
403 NEW & IMP F & V PROD	162	56.3	1,160,137	10,129,227	*		244,655
404 MKT QUAL FRTS & VEGS	175	55.5	1,373,670	10,335,777	*		345,145
405 PROD FLD CROP IMP ACPT	255	85.7	1,775,531	18,492,688	*		790,200
406 NEW IMP FOOD FLD CROP	145	44.9	975,143	8,501,457	*		75,187
407 NEW IMP NON FOOD FC	77	23.6	479,089	5,388,544	*		400,851
408 MKT QUAL FIELD CROPS	85	25.0	584,271	4,097,800	*		90,866
409 PROD ANML PR IMP ACCEP	136	39.2	1,558,426	10,960,357	*		519,668
410 IMP MEAT MILK EGG PR	232	89.2	2,266,376	16,274,249	*		384,402
411 IMP NON FOOD ANML PR	14	3.4	104,044	715,075	*		476
412 MKT QUAL ANIMAL PROD	77	18.7	575,095	3,677,430	*		1,326
SUBTOTAL		556.1	13,368,256	111,124,140	*		5,406,095
SERIES 500							
501 IMP GRADES & STANDS	43	9.0	261,452	1,628,998	*		188,871
502 MKTG TIMBER PRODUCTS	29	5.9	214,314	791,034	*		125,912
503 MKTG EFF AGRI PRODS	155	38.6	1,098,677	5,724,053	*		437,269
506 SPLY DEMAND AND PRIC	190	52.8	1,419,958	8,669,183	*		715,240
507 COMP REL IN AGRIC	49	9.4	239,801	1,658,814	*		126,473
508 DOMESTIC MKT DEVELP	52	11.3	330,946	2,011,883	*		116,693
509 PERFORMANCE MKTG SYS	152	40.1	1,266,344	5,459,432	*		261,888
510 GROUP ACT MKT POWER	21	5.3	101,773	761,870	*		85,398
511 IMP AGRIC STATISTICS	34	8.4	157,616	2,150,054	*		967,097
512 IMP GRADES FRST PROD	7	0.7	44,127	200,989	*		4,886
513 PRICE ANAL FRST PROD	19	5.5	117,826	885,203	*		125,502
SUBTOTAL		186.7	5,252,834	29,941,515	*		3,155,329
SERIES 600							
601 FGN MKT DEVELP	85	39.8	805,617	7,720,057	*		569,525
602 EVAL FGN FOOD AID PGM	3	1.0	18,017	341,977	*		103,748
603 TECH AID DEV CRTY	52	28.8	94,864	9,400,974	*		270,124
604 PRD DYLPMNT/MKTG PRGN	26	6.0	193,731	1,265,192	*		108,875
SUBTOTAL		75.4	912,229	18,728,199	*		1,052,273
SERIES 700							
701 TOX RES IN FOOD	136	43.6	1,267,300	7,938,352	*		1,495,145
702 FOOD PROT FROM TOX	188	52.2	1,668,710	12,085,549	*		223,137
703 FOOD CONSUMP HABITS	112	29.9	745,702	4,967,291	*		488,964
704 HOME COMM FOOD SERV	30	8.5	291,690	1,156,055	*		38,677
705 SEL CARE CLOTH & TEXTL	72	12.5	295,524	2,053,372	*		29,120
706 CNTR INSECTS AFF MAN	117	39.4	805,895	6,617,831	*		82,649
707 TRANS ANML MAN DIS	27	9.4	58,019	1,673,007	*		54,092
708 HUMAN NUTRITION	357	130.9	2,876,098	27,170,714	*		1,811,823
709 REDUCE HAZ HLTH & SFTY	63	12.3	343,961	2,285,918	*		26,581
SUBTOTAL		338.8	8,152,899	65,948,088	*		4,229,989

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA -- NATIONAL TOTAL SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 800						
801 RURAL HOUSING	43	10.1	220,836	1,381,134	*	5,932
802 INDIV & FAM DEC MAKING	188	47.8	707,446	5,657,587	*	21,604
803 RURAL POVERTY	23	4.6	70,494	741,218	*	49,121
804 ECON POTENT RURL PED	81	18.0	505,082	1,987,860	*	20,976
805 COMMUNICAT EDUC PRDC	108	33.7	404,355	5,029,858	*	110,534
806 ADJUSTMENT TO CHANGE	183	47.1	1,098,147	6,708,361	*	112,559
807 AGRIC ECONOMIC CHANGE	152	55.9	1,263,591	7,522,189	*	338,972
808 GOVT PROGRAMS	51	16.4	361,622	2,553,761	*	172,987
SUBTOTAL		233.7	4,632,370	31,591,979	*	832,685
SERIES 900						
901 ALLEY POLLUTION	416	141.5	3,296,840	26,901,362	*	1,541,546
902 OUTDOOR RECREATION	96	30.1	612,993	4,233,275	*	260,361
903 MULTI USE FOREST POTEN	72	16.1	582,901	2,726,381	*	87,964
904 WLDLFE AND FISH ECOL	510	186.6	2,506,819	40,123,837	*	2,395,698
905 TREES BEAUTIFICATION	94	24.0	470,728	3,414,069	*	254,644
906 ORNAMENT & TURF DEV	510	167.4	4,426,074	32,736,857	*	273,673
907 RURAL INCOME IMP	106	31.9	1,042,153	4,335,496	*	166,472
908 RURAL INSTITUT IMP	146	37.4	1,200,138	5,367,142	*	548,762
SUBTOTAL		655.1	14,138,646	119,838,418	*	5,509,121
SCIENCE IN SERV OF MAN						
GRAND TOTAL		888.8	163,789,167	1,374,226,108	*	79,790,543

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	ALABAMA	AUBURN	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	13	3.8	186,489	1,307,658	*	89,480
0200 WATER	7	0.8	61,775	360,211	*	56,797
0300 WATERSHEDS RIVER BAS	1	0.2	26,625	80,453	*	0
0500 RECREATION RESOURCES	3	1.0	31,633	147,546	*	0
0600 TIMBER FORST PRODUCT	27	18.1	556,680	3,088,321	*	632,743
0800 WILDLIFE AND FISH	23	12.1	157,877	2,732,470	*	14,110
1000 FRUIT NUTS DECIDUOUS	12	3.2	158,153	836,024	*	1,067
1100 POTATOES	2	0.4	2,717	43,708	*	0
1200 VEGETABLES	15	5.3	182,184	842,813	*	2,927
1300 ORNAMENTALS TURF	8	3.7	123,057	811,989	*	0
1400 CORN	10	1.8	97,636	404,512	*	5,178
1500 GRAIN SORGHUM	7	0.9	20,168	185,915	*	5,178
1700 WHEAT	3	0.3	9,912	86,755	*	5,178
1800 OTHER SMALL GRAINS	1	0.1	5,000	11,480	*	0
2000 FORAGE CROPS	8	2.6	95,121	440,119	*	13,308
2100 COTTON	12	3.0	88,304	651,362	*	22,404
2300 SOYBEANS	23	7.0	246,131	1,596,745	*	46,536
2400 PEANUTS	9	2.5	80,336	772,955	*	59,124
2500 OTHER OILSEED CROPS	1	0.2	15,121	32,376	*	0
2800 MISC NEW CROPS	1	0.1	5,708	47,402	*	0
2900 POULTRY	19	8.0	320,299	2,143,613	*	13,002
3000 BEEF CATTLE	18	6.8	285,205	2,684,360	*	35,084
3100 DAIRY CATTLE	12	5.0	190,695	1,616,661	*	0
3200 SWINE	10	4.4	305,291	1,789,680	*	6,389
3300 SHEEP AND WOOL	2	0.9	19,801	140,322	*	0
3400 OTHER ANIMALS	2	0.5	27,147	74,087	*	0
3500 BEES AND HONEY	1	0.5	8,700	61,460	*	0
3600 FARM SUPP & FACILITS	3	1.3	80,452	289,522	*	41,890
3700 CLOTHING & TEXTILES	2	0.8	24,024	95,348	*	0
3800 FOOD	2	0.5	44,327	81,647	*	0
3900 HOUSING & EQUIP	3	1.9	63,274	332,696	*	18,767
4000 PEOPLE AS INDIVIDUALS	5	1.9	66,171	197,984	*	0
4100 FAMILY MEMBERS	2	1.1	29,342	105,211	*	0
4200 FARM AS BUSINESS	5	1.7	58,305	208,402	*	25,723
4300 SOC POLIT ORGANIZ	4	0.8	88,581	134,768	*	0
4400 AGRIC ECONOMY U S	3	0.6	17,330	50,381	*	5,181
4700 OTH MARKET PROCESS	2	0.2	24,000	92,327	*	0
4800 MARKETING SYSTEMS	3	0.5	30,354	55,479	*	0
5100 WEEDS	2	0.4	16,320	81,920	*	0
5300 BIO CELL SYSTEMS	4	0.4	7,421	95,178	*	0
5400 EXP DESIGN/STAT METHOD	1	0.0	2,101	2,101	*	0
5500 INVERTEBRATES	7	1.7	43,656	257,918	*	6,418
5600 MICROORGANISMS VIRUSES	9	2.1	58,133	244,882	*	11,550
5700 PLANTS	9	2.0	42,925	365,878	*	10,445
5800 ANIMALS(VERTEBRATES)	4	0.5	26,980	111,430	*	865
7000 RSCH EQUIP & TECHNOLOGY	1	0.3	0	66,903	*	45,303
TOTAL		112.4	4,001,472	25,742,786	*	1,183,660

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	ALASKA	FAIRBANKS	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	4	1.9	183,108	389,407	*	0
0200 WATER	1	0.2	3,403	16,314	*	0
0300 WATERSHEDS RIVER BAS	1	0.3	22,916	22,916	*	0
0400 AIR AND CLIMATE	1	0.1	9,841	10,976	*	0
0500 RECREATION RESOURCES	1	0.4	38,659	69,178	*	0
0600 TIMBER FORST PRODUCT	3	1.3	198,384	482,894	*	0
0800 WILDLIFE AND FISH	8	0.6	25,773	635,259	*	0
1100 POTATOES	1	0.1	5,937	16,674	*	0
1200 VEGETABLES	2	1.0	32,286	202,089	*	17,830
1700 WHEAT	1	0.1	8,908	24,861	*	0
1800 OTHER SMALL GRAINS	5	1.6	69,884	240,965	*	0
2000 FORAGE CROPS	3	0.6	36,851	147,390	*	0
2500 OTHER OILSEED CROPS	1	0.1	11,875	33,148	*	0
2800 MISC NEW CROPS	1	0.1	7,125	19,889	*	0
3000 BEEF CATTLE	1	1.0	89,334	222,561	*	0
3100 DAIRY CATTLE	3	0.9	338,607	624,386	*	0
3200 SWINE	2	0.5	44,176	122,289	*	0
3400 OTHER ANIMALS	2	0.2	16,268	290,521	*	0
4200 FARM AS BUSINESS	1	0.1	8,468	27,817	*	0
4300 SOC POLIT ORGANIZ	1	0.2	13,560	44,608	*	0
TOTAL		11.2	1,165,160	3,653,953	*	17,830

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO DF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1988	AMERICAN SAMOA PAGO PAGO		SAES WITH SAES AMOUNT 1988
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	
0900 CITRUS SUB TROP FRUT	1	0.3	17,400	17,400	*	0
1200 VEGETABLES	1	0.7	153,700	153,700	*	0
3200 SWINE	1	0.8	118,900	118,900	*	0
TOTAL		1.8	290,000	290,000	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO DF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1988	ARIZONA TUCSON		SAES WITH SAES AMOUNT 1988
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	
0100 SOIL AND LAND	27	8.4	80,445	923,023	*	49,072
0200 WATER	36	12.5	104,293	1,508,261	*	91,858
0300 WATERSHEDS RIVER BAS	8	1.6	55,774	317,060	*	107,452
0400 AIR AND CLIMATE	1	0.3	1,838	28,635	*	0
0500 RECREATION RESOURCES	8	2.3	19,386	267,866	*	5,811
0800 TIMBER FORST PRDDUCT	14	4.0	48,755	559,607	*	69,876
0700 RANGE	16	4.3	35,649	424,020	*	38,817
0800 WILDLIFE AND FISH	11	3.0	34,154	462,800	*	13,023
0900 CITRUS SUB TROP FRUT	5	2.2	10,235	353,599	*	62
1000 FRUIT NUTS DECIDUOUS	11	3.1	42,186	637,377	*	182,749
1100 POTATDES	1	0.1	1,068	16,486	*	0
1200 VEGETABLES	19	9.0	112,245	1,440,479	*	21,940
1300 ORNAMENTALS TURF	10	2.6	26,211	842,183	*	83,893
1400 CORN	5	0.3	8,113	86,265	*	0
1500 GRAIN SORGHUM	2	0.4	25,649	181,285	*	0
1700 WHEAT	7	1.8	3,872	238,504	*	0
1800 OTHER SMALL GRAINS	7	1.3	29,600	338,893	*	7,182
2000 FORAGE CROPS	14	4.9	85,340	1,069,927	*	14,801
2100 COTTON	24	12.6	229,599	2,354,882	*	101,926
2200 COTTONSEED	2	0.6	16,867	78,317	*	0
2300 SOYBEANS	2	0.0	2,094	85,354	*	0
2500 OTHER DILSEED CROPS	1	0.0	0	3,695	*	0
2800 MISC NEW CROPS	8	1.7	16,635	336,550	*	126,157
2900 POULTRY	4	1.1	13,921	274,187	*	113,141
3000 BEEF CATTLE	20	8.3	160,155	1,222,239	*	68,815
3100 DAIRY CATTLE	21	11.7	139,482	1,663,942	*	72,913
3200 SWINE	4	2.3	38,891	286,846	*	82,746
3300 SHEEP AND WOOL	7	1.4	35,005	192,228	*	63,628
3400 OTHER ANIMALS	10	3.8	84,934	582,154	*	39,412
3500 BEES AND HDNEY	1	0.0	0	2,080	*	0
3700 CLDTHING & TEXTILES	2	0.4	5,729	45,770	*	0
3800 FOOD	4	1.7	19,380	331,042	*	0
3900 HOUSING & EQUIP	4	0.8	5,591	77,659	*	0
4000 PEOPLE AS INDIVIDUALS	20	4.5	29,834	538,814	*	0
4100 FAMILY MEMBERS	15	4.2	38,495	502,876	*	9,766
4200 FARM AS BUSINESS	3	1.6	14,837	159,781	*	0
4300 SOC POLIT ORGANIZ	7	2.2	16,219	219,444	*	12,888
4500 AGRIC ECDNOMY FDRGN	1	0.2	1,498	21,002	*	41
4800 FARM COOPERATIVES	1	0.1	1,405	11,694	*	0
4700 OTH MARKET PRDCESS	1	0.1	1,405	11,694	*	0
4800 MARKETING SYSTEMS	1	0.3	4,215	35,083	*	0
6300 BID CELL SYSTEMS	3	0.8	34,895	195,057	*	0
6400 EXP DESIGN/STAT METHOD	2	0.2	308	63,928	*	0
6500 INVERTEBRATES	7	3.5	24,846	596,832	*	111,155
6800 MICROORGANISMS VIRUSES	8	2.2	15,817	410,572	*	48,230
6700 PLANTS	14	1.7	83,252	745,312	*	155,706
6800 ANIMALS(VERTEBRATES)	7	7.3	50,198	1,480,545	*	0
7000 RSCH EQUIP & TECHNOLOGY	3	0.7	15,562	77,584	*	262
TOTAL		138.1	1,825,239	22,092,803	*	1,873,083

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	ARKANSAS	FAYETTEVILLE	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	20	5.6	92,278	1,420,678	*	124,125
0200 WATER	17	3.2	62,167	772,488	*	87,454
0300 WATERSHEDS RIVER BAS	5	0.2	9,847	87,091	*	24,426
0400 AIR AND CLIMATE	4	0.2	13,159	85,684	*	24,426
0500 RECREATION RESOURCES	2	0.2	4,406	25,245	*	1,408
0600 TIMBER FORST PRODUCT	28	9.5	467,608	1,305,745	*	121,856
0700 RANGE	1	0.1	0	26,097	*	0
0800 WILDLIFE AND FISH	3	0.2	3,777	24,241	*	3,808
1000 FRUIT NUTS DECIOUOUS	26	2.6	217,947	1,366,917	*	0
1200 VEGETABLES	25	7.0	261,654	1,243,088	*	2,289
1300 ORNAMENTALS TURF	7	1.8	30,824	240,586	*	0
1400 CORN	13	1.6	29,267	259,470	*	0
1500 GRAIN SORGHUM	18	2.1	33,738	396,990	*	7,468
1600 RICE	27	8.6	135,375	2,379,460	*	60,962
1700 WHEAT	16	3.4	59,743	713,939	*	4,035
1800 OTHER SMALL GRAINS	3	0.6	1,681	138,292	*	0
1900 PASTURE	4	0.5	11,688	97,957	*	0
2000 FORAGE CROPS	12	2.2	23,122	392,545	*	57,417
2100 COTTON	28	8.3	228,693	1,515,735	*	38,529
2300 SOYBEANS	39	12.1	322,906	3,058,168	*	11,802
2400 PEANUTS	1	0.0	4,214	29,702	*	0
2800 MISC NEW CROPS	1	0.1	5,516	5,516	*	0
2900 POULTRY	27	8.4	423,666	2,163,369	*	115,740
3000 BEEF CATTLE	24	7.8	294,151	1,972,593	*	73,076
3100 DAIRY CATTLE	12	3.3	146,092	818,876	*	3,000
3200 SWINE	11	1.4	110,141	423,511	*	0
3300 SHEEP AND WOOL	2	0.3	15,404	103,978	*	0
3400 OTHER ANIMALS	4	0.8	25,525	200,553	*	0
3600 FARM SUPP & FACILITS	1	0.1	1,574	4,328	*	0
3700 CLOTHING & TEXTILES	3	1.9	25,155	166,133	*	0
3800 FOOD	1	0.4	32,958	73,280	*	0
3900 HOUSING & EQUIP	3	1.9	958	182,534	*	0
4000 PEOPLE AS INDIVIDUALS	4	1.3	47,794	208,679	*	0
4100 FAMILY MEMBERS	3	0.8	7,184	94,578	*	0
4200 FARM AS BUSINESS	2	1.2	39,147	102,915	*	0
4300 SOC POLIT ORGANIZ	5	1.9	46,451	221,535	*	3,527
4400 AGRIC ECONOMY U S	2	0.2	18,569	36,634	*	0
4600 FARM COOPERATIVES	2	0.1	4,831	14,354	*	0
4700 OTH MARKET PROCESS	2	0.1	4,831	14,354	*	0
4800 MARKETING SYSTEMS	4	1.0	24,043	75,856	*	2,995
6100 WEEDS	4	0.5	28,523	106,597	*	0
6400 EXP DESIGN/STAT METHOD	2	2.4	6,075	152,360	*	1,997
6500 INVERTEBRATES	4	1.0	36,405	134,188	*	1,144
6600 MICROORGANISMS VIRUSES	13	2.4	111,144	373,773	*	49,166
6700 PLANTS	6	0.4	9,500	86,612	*	31,462
7000 RSCH EQUIP & TECHNOLOGY	2	0.5	18,298	90,189	*	0
TOTAL		109.0	3,497,006	23,407,394	*	850,114

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	CALIFORNIA	BERKELEY	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	88	27.8	272,724	5,533,348	*	18,916
0200 WATER	51	17.6	223,893	4,005,084	*	38,848
0300 WATERSHEDS RIVER BAS	8	1.5	9,983	845,434	*	0
0400 AIR AND CLIMATE	16	6.1	43,881	1,129,845	*	1,447
0500 RECREATION RESOURCES	4	2.2	56,506	384,828	*	0
0600 TIMBER FORST PRODUCT	77	28.7	534,101	5,782,807	*	295,043
0700 RANGE	18	8.1	34,588	1,460,405	*	7,346
0800 WILDLIFE AND FISH	60	22.7	182,839	5,613,459	*	145,836
0900 CITRUS SUB TROP FRUT	51	19.2	119,932	5,222,279	*	158,882
1000 FRUIT NUTS DECIDUOUS	98	40.8	305,808	10,257,367	*	444,239
1100 POTATOES	13	3.3	24,952	581,874	*	28,073
1200 VEGETABLES	93	31.8	247,583	7,704,080	*	202,669
1300 ORNAMENTALS TURF	27	9.5	74,826	1,885,280	*	2,392
1400 CORN	8	4.9	6,482	722,999	*	65,363
1500 GRAIN SORGHUM	3	0.2	4,314	81,122	*	0
1600 RICE	17	3.1	16,438	650,238	*	52,918
1700 WHEAT	21	2.8	40,532	1,130,007	*	232,228
1800 OTHER SMALL GRAINS	19	3.3	41,113	1,115,983	*	140,057
1900 PASTURE	1	0.0	0	4,210	*	0
2000 FORAGE CROPS	34	9.9	111,088	1,955,942	*	48,811
2100 COTTON	23	6.4	73,853	1,315,200	*	4,527
2300 SOYBEANS	6	1.9	21,298	485,601	*	48,888
2500 OTHER OILSEED CROPS	11	3.2	42,406	782,478	*	19,434
2700 SUGAR CROPS	4	0.6	4,404	111,780	*	0
2800 MISC NEW CROPS	6	2.2	36,994	767,193	*	260,905
2900 POULTRY	35	10.0	154,868	2,328,898	*	217,824
3000 BEEF CATTLE	45	8.7	96,134	1,984,377	*	262,925
3100 DAIRY CATTLE	51	15.3	171,327	3,445,830	*	343,274
3200 SWINE	11	2.2	12,726	605,541	*	254,207
3300 SHEEP AND WOOL	26	4.4	95,426	975,088	*	73,471
3400 OTHER ANIMALS	28	10.0	77,410	2,598,006	*	0
3500 BEES AND HONEY	9	4.0	38,000	649,340	*	11,537
3600 FARM SUPP & FACILITS	3	0.1	3,550	12,522	*	0
3700 CLOTHING & TEXTILES	12	2.7	21,066	451,845	*	14,822
3800 FOOD	47	16.8	102,677	3,832,534	*	276,254
3900 HOUSING & EQUIP	6	1.6	12,386	205,759	*	0
4000 PEOPLE AS INDIVIDUALS	54	14.1	112,458	2,847,771	*	88,719
4100 FAMILY MEMBERS	12	2.2	26,637	320,694	*	4,534
4200 FARM AS BUSINESS	7	0.8	4,725	113,827	*	0
4300 SOC POLIT ORGANIZ	14	2.9	28,786	485,481	*	6,046
4400 AGRIC ECONOMY U S	11	7.5	36,030	1,213,710	*	116,910
4500 AGRIC ECONOMY FORGN	5	3.1	14,507	421,117	*	23,325
4600 FARM COOPERATIVES	3	1.3	7,774	189,452	*	229
4800 MARKETING SYSTEMS	4	1.4	4,878	237,906	*	2,465
6100 WEEDS	12	2.4	43,583	562,884	*	168,066
6200 SEED RESEARCH	6	3.9	12,612	685,162	*	0
6300 BIO CELL SYSTEMS	30	14.5	53,540	3,403,696	*	69,692
6400 EXP DESIGN/STAT METHOD	12	5.7	16,123	762,631	*	64,881
6500 INVERTEBRATES	95	41.8	398,521	8,183,261	*	207,576
6600 MICROORGANISMS VIRUSES	84	31.2	229,627	7,637,507	*	801,797
6700 PLANTS	139	55.5	404,280	11,673,193	*	933,686
6800 ANIMALS (VERTEBRATES)	58	25.6	141,234	5,385,272	*	109,175
6900 RESEARCH ON RSCH MGMT	3	0.0	101,233	5,379,104	*	14,785
7000 RSCH EQUIP & TECHNOLOGY	12	3.0	15,625	696,116	*	80,442
TOTAL		551.6	4,989,264	126,566,621	*	6,443,065

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	COLORADO	FT COLLINS	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	11	5.5	138,825	591,884	*	33,457
0200 WATER	25	24.5	110,763	5,277,674	*	93,360
0300 WATERSHEDS RIVER BAS	7	2.0	60,819	225,016	*	0
0400 AIR AND CLIMATE	4	5.9	5,791	650,219	*	1,856
0500 RECREATION RESOURCES	5	1.4	70,062	112,480	*	5,568
0600 TIMBER FORST PRODUCT	16	4.0	214,557	434,872	*	42,596
0700 RANGE	19	23.5	205,798	2,251,655	*	74,224
0800 WILDLIFE AND FISH	5	0.3	23,538	96,336	*	0
1000 FRUIT NUTS DECIDUOUS	11	5.5	152,304	658,332	*	36,938
1100 POTATDES	10	4.1	61,495	378,234	*	24,432
1200 VEGETABLES	15	6.5	189,610	825,304	*	17,559
1300 ORNAMENTALS TURF	8	3.5	17,338	281,986	*	12,549
1400 CORN	13	3.5	121,038	366,771	*	10,869
1500 GRAIN SORGHUM	4	0.5	20,028	49,479	*	3,802
1700 WHEAT	19	16.9	77,075	2,077,576	*	17,057
1800 OTHER SMALL GRAINS	12	4.4	108,233	352,503	*	42,785
1900 PASTURE	3	0.2	7,603	18,737	*	2,353
2000 FORAGE CROPS	12	5.1	114,621	516,080	*	38,175
2300 SOYBEANS	3	1.8	70,329	173,085	*	0
2500 OTHER OILSEED CROPS	3	0.5	7,038	179,179	*	950
2700 SUGAR CROPS	1	0.0	1,220	3,805	*	0
2800 MISC NEW CROPS	3	0.6	12,470	176,440	*	0
2900 POULTRY	4	2.8	22,834	244,865	*	79,997
3000 BEEF CATTLE	22	25.3	237,793	2,486,452	*	196,995
3100 DAIRY CATTLE	4	2.5	21,153	250,844	*	4,790
3200 SWINE	1	0.7	20,691	50,925	*	0
3300 SHEEP AND WOOL	8	4.9	66,063	676,384	*	83,275
3400 OTHER ANIMALS	2	0.0	632	2,437	*	0
3600 FARM SUPP & FACILITS	1	0.5	0	35,210	*	1,383
3700 CLOTHING & TEXTILES	1	0.1	8,510	9,251	*	0
3800 FOOD	5	6.0	89,170	623,047	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.1	6,479	13,154	*	0
4100 FAMILY MEMBERS	3	0.5	20,984	48,682	*	0
4200 FARM AS BUSINESS	3	1.2	27,479	98,910	*	7,648
4300 SOC POLIT ORGANIZ	8	3.1	20,056	237,087	*	0
4400 AGRIC ECONOMY U S	2	1.3	20,434	110,704	*	13,913
4700 DTH MARKET PROCESS	1	0.4	10,217	37,747	*	6,265
6100 WEEDS	4	0.6	523	36,146	*	1,546
6200 SEED RESEARCH	4	3.2	8,428	673,750	*	14,876
6300 BIO CELL SYSTEMS	2	1.3	5,738	88,981	*	19,520
6500 INVERTEBRATES	1	0.4	0	51,078	*	0
6600 MICROORGANISMS VIRUSES	1	0.9	34,590	145,410	*	86,957
6700 PLANTS	12	5.8	99,809	1,082,925	*	554,719
6800 ANIMALS(VERTEBRATES)	2	0.7	3,284	151,754	*	1,383
7000 RSCH EQUIP & TECHNOLOGY	5	3.6	74,398	810,142	*	360,895
TOTAL		186.4	2,567,616	23,663,539	*	1,892,724

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	CONNECTICUT	NEW HAVEN	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	7	2.6	60,220	301,108	*	0
0200 WATER	5	1.9	102,623	232,839	*	0
0300 WATERSHEDS RIVER BAS	3	1.2	27,721	140,281	*	5,638
0600 TIMBER FORST PRODUCT	12	5.6	155,424	542,245	*	0
1000 FRUIT NUTS DECIDUOUS	12	6.0	94,057	562,100	*	0
1100 POTATOES	2	0.2	43	15,056	*	0
1200 VEGETABLES	16	8.1	85,088	596,415	*	0
1300 ORNAMENTALS TURF	7	3.2	56,961	290,941	*	0
1400 CORN	5	0.6	6,540	58,878	*	0
1700 WHEAT	3	1.2	30,399	134,688	*	0
2000 FORAGE CROPS	3	0.2	3,074	22,118	*	0
2800 TOBACCO	8	5.0	98,562	568,985	*	0
2900 POULTRY	1	0.3	10,563	31,907	*	0
3100 DAIRY CATTLE	1	0.3	10,563	31,907	*	0
3400 OTHER ANIMALS	1	0.7	0	62,527	*	0
3700 CLOTHING & TEXTILES	1	0.2	0	20,842	*	0
4000 PEOPLE AS INDIVIDUALS	3	2.2	42,365	212,215	*	0
6500 INVERTEBRATES	2	2.0	32,842	189,476	*	0
6700 PLANTS	2	0.2	600	22,141	*	0
TOTAL		39.7	817,643	4,036,671	*	5,638

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	CONNECTICUT	STORRS	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	3	0.3	15,244	89,976	*	0
0300 WATERSHEDS RIVER BAS	1	0.0	3,002	13,671	*	0
0400 AIR AND CLIMATE	3	0.4	55,653	241,230	*	0
0600 TIMBER FORST PRDUCT	6	0.8	43,156	232,696	*	0
0800 WILDLIFE AND FISH	4	1.5	17,924	287,973	*	0
1200 VEGETABLES	3	1.0	39,479	233,576	*	0
1300 ORNAMENTALS TURF	9	3.0	54,586	438,243	*	0
1400 CORN	2	0.3	11,642	73,571	*	0
2000 FORAGE CROPS	2	0.8	13,379	190,611	*	0
2100 COTTON	1	0.1	4,117	12,159	*	0
2900 POULTRY	8	2.0	115,756	664,930	*	0
3000 BEEF CATTLE	4	0.4	8,003	68,626	*	0
3100 DAIRY CATTLE	16	3.4	124,008	1,110,097	*	87,776
3200 SWINE	1	0.1	0	18,386	*	8,817
3300 SHEEP AND WOOL	4	0.2	11,879	166,155	*	0
3400 OTHER ANIMALS	6	1.4	60,785	354,331	*	0
3500 BEES AND HONEY	1	0.0	242	4,740	*	0
3800 FOOD	1	0.6	44,299	89,479	*	5,672
3900 HOUSING & EQUIP	1	0.6	39,011	107,542	*	0
4000 PEOPLE AS INDIVIDUALS	5	1.2	77,761	595,420	*	0
4100 FAMILY MEMBERS	1	0.0	948	11,247	*	0
4300 SOC POLIT ORGANIZ	2	1.8	88,341	176,563	*	0
4400 AGRIC ECONOMY U S	1	0.3	13,725	40,529	*	0
4800 FARM COOPERATIVES	1	0.1	5,537	12,435	*	709
4800 MARKETING SYSTEMS	1	0.1	5,537	12,435	*	709
6800 MICROORGANISMS VIRUSES	1	0.9	31,777	299,848	*	0
6800 ANIMALS(VERTEBRATES)	2	0.2	17,452	72,907	*	0
7000 RSCH EQUIP & TECHNOLOGY	3	0.4	31,252	112,353	*	0
TOTAL		22.7	934,497	5,745,727	*	103,683

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	DELAWARE	NEWARK	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	17	2.4	117,684	433,882	*	0
0200 WATER	17	1.5	26,591	241,862	*	0
0400 AIR AND CLIMATE	1	0.0	0	1,545	*	0
0500 RECREATION RESOURCES	1	0.1	0	33,373	*	0
0600 TIMBER FORST PRDUCT	2	0.6	50,018	106,561	*	0
0800 WILDLIFE AND FISH	3	1.0	45,711	129,432	*	0
0900 CITRUS SUB TROP FRUT	1	0.0	0	6,770	*	0
1000 FRUIT NUTS DECIDUOUS	2	0.0	1,571	12,092	*	0
1100 POTATOES	1	0.0	0	6,368	*	0
1200 VEGETABLES	15	3.8	95,985	587,652	*	0
1300 ORNAMENTALS TURF	5	0.9	16,617	88,348	*	0
1400 CORN	14	4.8	181,571	740,132	*	0
1500 GRAIN SORGHUM	2	0.5	2,161	37,683	*	0
1600 RICE	1	0.1	3,372	11,631	*	0
1700 WHEAT	1	0.1	3,372	11,631	*	0
1800 OTHER SMALL GRAINS	1	0.4	987	24,617	*	0
2100 COTTON	1	0.1	3,372	11,631	*	0
2300 SOYBEANS	14	1.4	47,682	289,175	*	0
2900 POULTRY	23	7.1	251,799	1,781,099	*	0
3000 BEEF CATTLE	1	0.0	0	55,778	*	0
3100 DAIRY CATTLE	7	1.1	189,767	548,244	*	0
3200 SWINE	6	1.1	9,025	215,979	*	488
3300 SHEEP AND WOOL	1	0.0	0	5,344	*	0
3400 OTHER ANIMALS	1	0.3	0	38,074	*	0
3800 FARM SUPP & FACILITS	1	0.2	3,278	54,488	*	0
4300 SOC POLIT ORGANIZ	4	1.0	71,046	180,313	*	0
4600 AGRIC ECONOMY FORGN	1	0.0	0	881	*	0
4800 MARKETING SYSTEMS	1	0.3	0	19,528	*	354
6800 INVERTEBRATES	6	1.5	79,425	249,265	*	10,415
6800 MICROORGANISMS VIRUSES	2	0.6	3,703	55,592	*	0
6700 PLANTS	3	0.7	9,673	68,812	*	4,999
6800 ANIMALS(VERTEBRATES)	1	0.0	1,117	4,795	*	0
TOTAL		31.6	1,201,855	6,061,948	*	16,254

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	DIST OF COLUM WASHINGTON		SAES WITH SAES AMOUNT 1988
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	
0100 SOIL AND LAND	2	0.3	34,413	55,351	*	0
0800 TIMBER FORST PRODUCT	1	0.5	16,567	27,128	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.1	28,824	47,200	*	0
1200 VEGETABLES	5	1.3	163,202	267,246	*	0
1400 CORN	1	0.1	9,784	16,021	*	0
3400 OTHER ANIMALS	1	0.2	19,908	32,598	*	0
4000 PEOPLE AS INDIVIDUALS	3	1.0	117,888	183,044	*	0
4100 FAMILY MEMBERS	1	0.1	21,861	35,962	*	0
4300 SOC POLIT ORGANIZ	1	0.3	49,595	81,214	*	0
TOTAL		4.1	462,142	756,766	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	FLORIOA GAINESVILLE		SAES WITH SAES AMOUNT 1988
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	
0100 SOIL AND LAND	45	13.8	114,502	3,013,581	*	25,880
0200 WATER	32	13.4	78,843	2,715,511	*	174,980
0300 WATERSHEOS RIVER BAS	10	2.5	20,612	809,346	*	4,909
0400 AIR AND CLIMATE	4	0.3	1,904	57,599	*	0
0800 TIMBER FORST PRODUCT	31	20.8	356,190	3,955,798	*	894,801
0700 RANGE	4	1.7	41,116	380,238	*	0
0800 WILDLIFE AND FISH	19	8.5	36,062	1,919,745	*	67,828
0900 CITRUS SUB TROP FRUIT	105	55.9	190,949	9,598,883	*	988,915
1000 FRUIT NUTS DECIDUOUS	38	14.5	52,711	2,175,486	*	183,482
1100 POTATOES	7	1.9	4,973	271,204	*	0
1200 VEGETABLES	123	52.4	341,368	8,757,954	*	403,266
1300 ORNAMENTALS TURF	49	29.0	327,079	4,475,285	*	118,883
1400 CORN	30	8.2	45,286	1,077,331	*	208,615
1500 GRAIN SORGHUM	19	1.2	12,872	255,670	*	52,666
1600 RICE	2	0.8	0	151,530	*	0
1700 WHEAT	13	2.0	16,840	327,658	*	5,561
1800 OTHER SMALL GRAINS	17	3.1	16,907	455,861	*	5,329
1900 PASTURE	16	4.9	8,285	641,693	*	79,304
2000 FORAGE CROPS	66	19.9	227,918	3,216,965	*	125,805
2100 COTTON	3	0.1	1,797	25,069	*	0
2300 SOYBEANS	41	7.3	58,918	1,183,047	*	62,857
2400 PEANUTS	27	5.9	20,548	972,847	*	16,575
2800 TOBACCO	9	1.7	7,804	268,281	*	0
2700 SUGAR CROPS	17	2.7	5,766	535,957	*	54,223
2800 MISC NEW CROPS	12	2.3	2,932	431,684	*	4,019
2900 POULTRY	13	6.2	66,783	1,103,115	*	0
3000 BEEF CATTLE	74	24.0	152,301	5,083,089	*	431,967
3100 DAIRY CATTLE	38	12.2	153,159	2,935,568	*	83,707
3200 SWINE	20	5.9	108,603	1,486,088	*	101,284
3300 SHEEP AND WOOL	6	1.3	23,975	355,980	*	10,329
3400 OTHER ANIMALS	13	3.8	58,065	810,206	*	34,918
3500 BEES AND HONEY	3	2.3	0	189,783	*	42,513
3600 FARM SUPP & FACILITS	3	2.3	27,150	220,616	*	0
3800 FOOD	13	8.1	22,348	1,675,522	*	43,422
3900 HOUSING & EQUIP	6	1.6	7,684	229,570	*	0
4000 PEOPLE AS INDIVIDUALS	7	4.4	18,742	787,539	*	0
4100 FAMILY MEMBERS	2	0.6	0	173,201	*	36,508
4200 FARM AS BUSINESS	6	2.8	25,131	300,318	*	1,234
4300 SOC POLIT ORGANIZ	6	1.5	37,828	225,945	*	0
4400 AGRIC ECONOMY U S	6	5.4	19,298	598,487	*	37,893
4500 AGRIC ECONOMY FORGN	4	0.8	1,337	81,234	*	13,561
4800 MARKETING SYSTEMS	1	2.7	24,601	477,027	*	45,453
5100 WEEDS	8	4.5	34,462	975,301	*	73,615
6200 SEED RESEARCH	2	0.2	2,373	51,057	*	0
6300 BIO CELL SYSTEMS	8	2.1	3,387	326,701	*	15,195
6400 EXP DESIGN/STAT METHOD	3	0.4	0	50,346	*	0
6500 INVERTEBRATES	25	11.2	78,898	1,856,571	*	239,436
6600 MICROORGANISMS VIRUSES	25	8.8	9,565	1,881,300	*	184,524
6700 PLANTS	39	14.4	32,807	3,758,923	*	367,100
6800 ANIMALS (VERTEBRATES)	8	3.8	19,842	717,628	*	0
6900 RESEARCH ON RSCH MGMT	5	0.7	18,645	175,923	*	74,605
7000 RSCH EQUIP & TECHNOLOGY	7	2.9	25,216	581,428	*	5,960
TOTAL		407.5	2,963,982	74,560,650	*	5,300,887

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	GEORGIA	ATHENS	SAES
				TOTAL FUNDS (GROSS) 1988	USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	26	5.6	123,036	1,064,285	*	14,687
0200 WATER	16	3.7	89,809	806,745	*	558
0300 WATERSHEDS RIVER BAS	2	0.4	136	84,135	*	137
0500 RECREATION RESOURCES	3	0.0	4,200	25,182	*	367
0800 TIMBER FORST PRODUCT	30	12.4	503,702	4,154,883	*	531,283
0700 RANGE	1	0.0	36	36	*	0
0800 WILDLIFE AND FISH	8	2.5	205,232	1,230,410	*	24,960
1000 FRUIT NUTS DECIDUOUS	55	17.7	506,016	4,011,773	*	27,684
1100 POTATOES	1	0.0	96	5,646	*	0
1200 VEGETABLES	53	17.9	389,559	3,955,126	*	56,324
1300 ORNAMENTALS TURF	22	8.0	194,847	1,647,692	*	0
1400 CORN	26	4.1	112,346	944,195	*	10,910
1500 GRAIN SORGHUM	19	3.7	189,929	956,597	*	51,050
1600 RICE	1	0.0	0	26,101	*	0
1700 WHEAT	20	6.5	176,903	1,227,398	*	8,604
1800 OTHER SMALL GRAINS	7	1.4	23,549	362,824	*	63,134
1900 PASTURE	10	1.4	22,853	410,613	*	4,749
2000 FORAGE CROPS	31	6.4	198,303	1,888,833	*	53,772
2100 COTTON	7	2.4	65,133	753,853	*	11,193
2300 SOYBEANS	31	5.8	210,439	1,827,764	*	73,761
2400 PEANUTS	36	8.9	183,700	2,024,672	*	61,711
2500 OTHER OILSEED CROPS	2	0.1	7,591	111,454	*	2,817
2600 TOBACCO	7	2.1	2,037	562,012	*	0
2700 SUGAR CROPS	1	0.1	2,378	31,221	*	0
2800 MISC NEW CROPS	3	0.6	96	60,131	*	0
2900 POULTRY	32	12.1	174,473	2,976,698	*	29,841
3000 BEEF CATTLE	32	8.4	185,396	4,095,992	*	44,354
3100 DAIRY CATTLE	16	6.6	187,348	2,333,480	*	5,018
3200 SWINE	18	4.5	95,089	1,231,189	*	1,495
3300 SHEEP AND WOOL	2	0.1	878	30,083	*	0
3400 OTHER ANIMALS	4	1.3	979	51,808	*	5,950
3500 BEES AND HONEY	1	0.0	3,864	59,172	*	31,210
3600 FARM SUPP & FACILITS	3	0.2	4,273	37,260	*	10,010
3700 CLOTHING & TEXTILES	3	0.0	5,855	62,868	*	6,895
3800 FOOD	14	4.6	136,651	974,890	*	45,017
3900 HOUSING & EQUIP	7	2.6	104,555	534,010	*	2,360
4000 PEOPLE AS INDIVIDUALS	6	0.9	46,561	127,658	*	0
4100 FAMILY MEMBERS	3	0.3	10,056	33,132	*	0
4200 FARM AS BUSINESS	8	2.9	39,701	341,134	*	15,287
4300 SOC POLIT ORGANIZ	9	1.3	33,126	168,722	*	1,818
4400 AGRIC ECONOMY U S	4	0.7	29,939	130,389	*	703
4500 AGRIC ECONOMY FORGN	1	0.3	4,156	32,552	*	635
4600 FARM COOPERATIVES	2	0.2	544	13,797	*	550
4700 OTH MARKET PROCESS	4	0.2	1,153	36,518	*	363
4800 MARKETING SYSTEMS	3	0.3	2,714	33,387	*	276
6100 WEEDS	4	0.4	7,143	216,186	*	0
6200 SEED RESEARCH	1	0.0	992	17,288	*	0
6300 BIO CELL SYSTEMS	2	0.2	283	18,185	*	0
6400 EXP DESIGN/STAT METHOD	2	0.0	320	18,326	*	0
6500 INVERTEBRATES	9	2.1	38,473	568,589	*	4,167
6600 MICROORGANISMS VIRUSES	10	1.7	26,679	469,622	*	83,665
6700 PLANTS	34	11.0	189,761	2,223,584	*	185,935
6800 ANIMALS(VERTEBRATES)	8	0.6	9,124	126,957	*	28,696
6900 RESEARCH DN RSCH MGMT	2	0.7	72,431	124,268	*	0
7000 RSCH EQUIP & TECHNOLOGY	3	0.4	13,415	42,695	*	0
TOTAL		176.3	4,555,656	45,293,968	*	1,502,160

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	GUAM	AGANA	SAES
				TOTAL FUNDS (GROSS) 1988	USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	2	1.0	86,156	149,460	*	1,402
0800 TIMBER FORST PRODUCT	2	1.0	67,184	68,085	*	881
0700 RANGE	1	0.3	0	889	*	889
0800 WILDLIFE AND FISH	1	0.0	14,496	26,789	*	0
0900 CITRUS SUB TROP FRUT	9	3.8	129,313	298,065	*	83,153
1000 FRUIT NUTS DECIDUOUS	1	0.2	12,620	18,911	*	0
1100 POTATOES	1	0.0	0	36,770	*	36,770
1200 VEGETABLES	14	2.3	204,107	417,246	*	72,021
1300 ORNAMENTALS TURF	6	1.5	121,345	279,399	*	17,138
1400 CORN	2	0.1	0	12,001	*	12,001
1800 OTHER SMALL GRAINS	1	0.0	6,306	11,631	*	0
1900 PASTURE	2	0.7	0	8,251	*	8,251
2000 FORAGE CROPS	1	0.1	14,713	26,907	*	0
2800 MISC NEW CROPS	3	0.7	56,888	114,344	*	10,528
4300 SOC POLIT ORGANIZ	1	0.0	0	2,584	*	2,584
4800 MARKETING SYSTEMS	1	0.0	0	2,584	*	2,584
6100 WEEDS	1	0.0	0	5,583	*	5,583
6500 INVERTEBRATES	1	0.0	7,248	18,246	*	0
TOTAL		11.6	720,375	1,497,624	*	253,785

TABLE 11-8 SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	HAWAII	HONOLULU	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/CT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	23	5.1	104,183	1,271,000	*	237,292
0200 WATER	11	2.7	71,012	861,438	*	84,786
0300 WATERSHEDS RIVER BAS	1	0.2	11,515	17,815	*	0
0400 AIR AND CLIMATE	2	0.1	0	7,447	*	512
0600 TIMBER FORST PRODUCT	18	2.9	87,558	456,131	*	67,980
0700 RANGE	7	1.9	14,217	253,082	*	11,732
0800 WILDLIFE AND FISH	11	4.0	13,774	810,911	*	292,282
0900 CITRUS SUB TROP FRUT	57	12.4	139,385	2,127,594	*	551,884
1000 FRUIT NUTS DECIDUOUS	18	3.6	64,192	624,821	*	90,993
1200 VEGETABLES	55	15.5	189,919	2,348,220	*	255,819
1300 ORNAMENTALS TURF	25	8.1	212,221	1,097,811	*	0
1400 CORN	11	1.9	18,853	588,020	*	58,096
1800 RICE	1	0.2	0	51,722	*	44,035
1700 WHEAT	1	0.1	8,015	8,892	*	0
1900 PASTURE	4	0.3	4,894	34,878	*	32
2000 FORAGE CROPS	8	0.9	5,537	340,328	*	25,786
2300 SOYBEANS	4	0.1	0	39,850	*	33,708
2500 OTHER OILSEED CROPS	1	0.1	0	28,625	*	0
2700 SUGAR CROPS	8	1.2	14,305	156,342	*	30,870
2800 MISC NEW CROPS	10	1.5	18,012	852,500	*	9,088
2900 POULTRY	6	1.5	2,594	248,154	*	43,259
3000 BEEF CATTLE	12	3.9	32,951	783,423	*	75,208
3100 DAIRY CATTLE	7	1.9	35,206	463,567	*	193
3200 SWINE	5	0.2	548	124,074	*	0
3300 SHEEP AND WOOL	2	0.2	18,895	78,024	*	0
3600 FARM SUPP & FACILITS	3	0.2	0	149,810	*	194
3700 CLOTHING & TEXTILES	2	0.0	4,831	10,872	*	0
3800 FOOD	8	7.2	46,128	370,177	*	27,711
3900 HOUSING & EQUIP	2	0.5	29,195	108,881	*	5,774
4000 PEOPLE AS INDIVIDUALS	7	1.7	14,482	139,340	*	0
4100 FAMILY MEMBERS	4	1.5	1,247	94,830	*	0
4200 FARM AS BUSINESS	2	0.4	8,971	28,393	*	1,206
4300 SOC POLIT ORGANIZ	2	0.5	12,837	25,923	*	0
4400 AGRIC ECONOMY U S	2	0.5	2,616	18,368	*	0
4500 AGRIC ECONOMY FORGN	1	0.2	0	69,707	*	25,112
4800 FARM COOPERATIVES	1	0.4	8,971	27,187	*	0
4800 MARKETING SYSTEMS	2	0.5	2,618	38,455	*	0
6100 WEEDS	2	0.5	5,485	46,810	*	10,350
6300 BIO CELL SYSTEMS	4	0.7	312	139,377	*	89,568
6500 INVERTEBRATES	3	0.0	0	70,405	*	58,566
6800 MICROORGANISMS VIRUSES	12	2.7	791	842,012	*	152,930
6700 PLANTS	18	2.2	31,390	335,981	*	107,548
6800 ANIMALS(VERTEBRATES)	4	0.3	0	35,818	*	1,117
6900 RESEARCH ON RSCH MGMT	3	0.0	0	47,401	*	47,275
TOTAL		91.0	1,227,032	15,685,625	*	2,398,695

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --				IDAHO	MOSCOW	SAES
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	21	11.4	178,476	1,293,947	*	13,033
0200 WATER	10	2.8	86,262	459,084	*	0
0300 WATERSHEDS RIVER BAS	3	0.8	23,720	129,177	*	0
0400 AIR AND CLIMATE	1	0.2	5,813	37,845	*	0
0500 RECREATION RESOURCES	2	0.6	8,177	35,360	*	0
0600 TIMBER FORST PRODUCT	1	0.2	20,816	88,893	*	0
0700 RANGE	8	4.6	68,824	344,596	*	57
0800 WILDLIFE AND FISH	1	0.3	13,117	13,117	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.0	0	988	*	0
1100 POTATOES	15	12.5	135,014	1,335,075	*	12,295
1200 VEGETABLES	18	7.8	181,847	1,188,392	*	0
1300 ORNAMENTALS TURF	2	0.3	12,319	44,599	*	0
1400 CORN	2	0.0	2,743	17,947	*	0
1700 WHEAT	21	7.2	130,893	1,232,337	*	19,889
1800 OTHER SMALL GRAINS	10	3.9	88,709	484,368	*	32
2000 FORAGE CROPS	3	0.6	15,033	86,579	*	0
2500 OTHER OILSEED CROPS	2	1.5	31,987	532,642	*	0
2700 SUGAR CROPS	3	0.6	57,850	254,329	*	0
2800 MISC NEW CROPS	1	0.2	0	11	*	0
2900 POULTRY	1	0.4	6,949	46,166	*	0
3000 BEEF CATTLE	16	8.3	241,289	1,316,856	*	0
3100 DAIRY CATTLE	6	1.8	76,086	305,153	*	0
3200 SWINE	1	0.1	3,048	17,094	*	0
3300 SHEEP AND WOOL	9	3.1	144,702	849,197	*	0
3400 OTHER ANIMALS	2	0.2	30,257	46,714	*	0
3800 FARM SUPP & FACILITS	5	1.0	25,333	127,811	*	187
3800 FOOD	1	0.5	7,938	55,986	*	0
3800 HOUSING & EQUIP	2	0.3	7,745	58,838	*	0
4000 PEOPLE AS INDIVIDUALS	8	1.1	21,355	149,076	*	1,889
4100 FAMILY MEMBERS	4	0.3	8,729	30,883	*	0
4200 FARM AS BUSINESS	5	2.5	14,122	183,540	*	187
4300 SOC POLIT ORGANIZ	10	4.1	28,839	241,505	*	0
4400 AGRIC ECONOMY U S	1	0.1	0	1,814	*	0
4500 AGRIC ECONOMY FORGN	1	1.3	13,323	102,450	*	0
4800 MARKETING SYSTEMS	2	0.1	1,606	11,371	*	0
8100 WEEDS	1	0.8	0	61,484	*	0
8200 SEED RESEARCH	1	1.3	16,223	200,240	*	0
8300 BIO CELL SYSTEMS	1	0.0	4,347	25,922	*	0
8400 EXP DESIGN/STAT METHOD	1	0.4	4,232	54,819	*	0
8500 INVERTEBRATES	2	0.5	22,885	93,416	*	0
8600 MICROORGANISMS VIRUSES	4	0.6	39,438	152,064	*	0
8700 PLANTS	9	5.6	43,947	423,852	*	20,956
8800 ANIMALS(VERTEBRATES)	3	1.5	26,226	184,285	*	1,258
8900 RESEARCH ON RSCH MGMT	1	0.8	4,543	78,797	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	1.5	24,678	171,179	*	0
TOTAL		94.1	1,856,598	12,329,171	*	69,584

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMOOITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	ILLINOIS		URBANA		SAES	
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988		WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	35	14.2	261,147	2,136,355	*			299,552	
0200 WATER	11	2.1	89,883	419,188	*			112,884	
0300 WATERSHEDS RIVER BAS	5	0.4	58,124	133,538	*			11,883	
0400 AIR AND CLIMATE	2	0.1	19,611	33,556	*			0	
0600 TIMBER FORST PRODUCT	27	10.3	192,985	1,099,188	*			105,531	
0700 RANGE	1	0.0	11,502	31,801	*			3,018	
0800 WILDLIFE AND FISH	1	0.2	1,000	6,287	*			0	
0800 CITRUS SUB TROP FRUT	2	0.2	8,101	18,702	*			298	
1000 FRUIT NUTS DECIDUOUS	10	3.7	72,052	497,760	*			10,723	
1200 VEGETABLES	18	5.4	224,040	854,101	*			112,965	
1300 ORNAMENTALS TURF	10	4.5	111,912	569,482	*			36,524	
1400 CORN	63	22.5	620,063	3,434,538	*			372,502	
1500 GRAIN SORGHUM	1	0.0	2,674	8,270	*			560	
1600 RICE	1	0.0	1,527	3,076	*			0	
1700 WHEAT	15	4.0	52,518	334,822	*			29,003	
1800 OTHER SMALL GRAINS	8	2.0	118,921	434,214	*			18,096	
2000 FORAGE CROPS	18	3.8	119,005	881,907	*			53,049	
2100 COTTON	1	0.0	8,564	9,003	*			0	
2300 SOYBEANS	60	15.3	512,360	2,927,883	*			324,473	
2500 OTHER OILSEED CROPS	4	1.0	18,684	356,181	*			82,078	
2600 TOBACCO	2	0.4	10,679	107,900	*			0	
2700 SUGAR CROPS	2	0.2	4,304	19,660	*			2,298	
2800 MISC NEW CROPS	5	1.3	33,315	119,788	*			16,086	
2900 POULTRY	16	5.6	175,609	1,183,791	*			238,640	
3000 BEEF CATTLE	30	8.5	315,841	2,014,017	*			182,633	
3100 DAIRY CATTLE	34	9.7	284,158	2,713,503	*			180,609	
3200 SWINE	32	7.8	277,135	2,281,052	*			183,787	
3300 SHEEP AND WOOL	6	2.0	46,213	434,471	*			45,006	
3400 OTHER ANIMALS	9	2.0	76,675	590,260	*			113,743	
3600 FARM SUPP & FACILITS	3	1.3	41,909	205,163	*			11,947	
3700 CLOTHING & TEXTILES	5	1.7	38,431	125,407	*			1,402	
3800 FOOD	13	3.2	160,832	854,242	*			21,892	
3900 HOUSING & EQUIP	4	1.5	35,282	204,497	*			10,451	
4000 PEOPLE AS INDIVIDUALS	12	2.5	50,080	382,875	*			11,727	
4100 FAMILY MEMBERS	18	3.2	124,045	536,828	*			6,689	
4200 FARM AS BUSINESS	8	2.8	58,484	485,044	*			15,815	
4300 SOC POLIT ORGANIZ	7	3.3	65,045	273,105	*			9,563	
4400 AGRIC ECONOMY U S	3	0.9	52,670	204,288	*			15,423	
4500 AGRIC ECONOMY FORGN	1	0.2	439	11,852	*			1,775	
4700 OTH MARKET PROCESS	1	0.0	8,606	9,897	*			0	
6100 WEEDS	4	0.8	19,616	118,564	*			13,371	
6300 BIO CELL SYSTEMS	5	2.0	43,458	361,028	*			31,978	
6400 EXP DESIGN/STAT METHOD	8	1.8	20,876	227,533	*			669	
6500 INVERTEBRATES	8	2.2	33,717	244,886	*			42,158	
6600 MICROORGANISMS VIRUSES	12	4.1	124,568	663,528	*			103,875	
6700 PLANTS	11	2.5	51,873	543,119	*			120,676	
6800 ANIMALS(VERTEBRATES)	11	2.8	82,336	567,147	*			25,148	
6900 RESEARCH ON RSCH MGMT	2	0.0	81,610	80,127	*			2,973	
7000 RSCH EQUIP & TECHNOLOGY	3	0.5	23,685	105,358	*			892	
TOTAL		165.0	4,857,334	29,672,753	*			2,864,127	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1988	INDIANA	LAFAYETTE	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	29	8.2	226,720	1,637,332	*	87,446
0200 WATER	10	1.6	51,267	341,334	*	18,646
0300 WATERSHEDS RIVER BAS	4	0.5	9,150	91,803	*	8,046
0400 AIR AND CLIMATE	8	0.8	35,450	203,851	*	2,225
0500 RECREATION RESOURCES	1	1.1	28,276	133,651	*	11,386
0600 TIMBER FORST PRODUCT	33	9.0	241,930	1,791,645	*	208,273
0700 RANGE	1	0.1	526	12,351	*	0
0800 WILDLIFE AND FISH	9	2.3	38,465	325,013	*	0
0900 CITRUS SUB TROP FRUT	1	0.3	6,101	41,308	*	0
1000 FRUIT NUTS DECIDUOUS	13	1.9	64,858	660,133	*	4,897
1100 POTATOES	7	0.9	26,643	201,621	*	234
1200 VEGETABLES	31	6.4	173,265	1,443,033	*	15,679
1300 ORNAMENTALS TURF	12	2.2	66,529	406,181	*	12,920
1400 CORN	65	13.6	419,490	3,763,209	*	64,551
1500 GRAIN SORGHUM	9	2.5	37,879	684,215	*	0
1600 RICE	1	0.4	12,871	305,788	*	0
1700 WHEAT	18	2.9	81,445	764,164	*	13,369
1800 OTHER SMALL GRAINS	4	0.4	4,320	152,892	*	96,607
2000 FORAGE CROPS	16	2.1	42,511	530,382	*	2,497
2300 SOYBEANS	50	7.9	238,035	1,632,557	*	26,799
2500 OTHER DILSEED CROPS	1	0.1	3,458	40,604	*	893
2700 SUGAR CROPS	3	0.8	12,478	281,721	*	0
2800 MISC NEW CROPS	9	2.2	65,258	682,658	*	988
2900 POULTRY	23	5.1	151,861	1,048,788	*	28,670
3000 BEEF CATTLE	33	4.8	229,196	2,663,291	*	16,720
3100 DAIRY CATTLE	23	5.7	199,213	1,812,756	*	0
3200 SWINE	45	7.2	251,104	2,218,624	*	26,208
3300 SHEEP AND WOOL	12	0.8	30,500	476,089	*	98,607
3400 OTHER ANIMALS	18	2.1	123,886	724,655	*	631
3600 FARM SUPP & FACILITS	2	0.2	2,410	29,451	*	0
3700 CLOTHING & TEXTILES	1	0.2	11,468	38,105	*	0
3800 FOOD	16	4.3	140,524	1,362,451	*	88
3900 HOUSING & EQUIP	5	1.2	54,977	367,904	*	0
4000 PEOPLE AS INDIVIDUALS	8	1.8	36,246	339,762	*	6,025
4100 FAMILY MEMBERS	10	2.9	56,083	651,615	*	0
4200 FARM AS BUSINESS	12	1.5	49,173	286,953	*	6,234
4300 SOC POLIT ORGANIZ	5	0.9	39,091	373,089	*	0
4400 AGRIC ECONOMY U S	9	2.7	50,262	581,437	*	23,077
4500 AGRIC ECONOMY FORGN	5	2.2	49,969	365,881	*	38,552
4600 FARM COOPERATIVES	3	0.5	6,090	63,788	*	14,144
4700 OTH MARKET PROCESS	1	0.3	2,561	52,336	*	13,612
4800 MARKETING SYSTEMS	9	1.4	49,183	229,650	*	11,421
6100 WEEDS	8	1.0	30,067	415,638	*	0
6300 BIO CELL SYSTEMS	10	2.9	101,774	1,337,303	*	42,187
6400 EXP DESIGN/STAT METHOD	4	0.7	24,430	75,379	*	0
6500 INVERTEBRATES	13	3.4	109,492	758,514	*	106,920
6600 MICROORGANISMS VIRUSES	12	3.8	123,725	1,481,260	*	187,858
6700 PLANTS	34	8.7	181,686	1,840,863	*	261,506
6800 ANIMALS(VERTEBRATES)	20	6.2	488,338	2,840,826	*	8,385
7000 RSCH EQUIP & TECHNOLOGY	8	2.0	25,810	684,082	*	0
TOTAL		143.4	4,506,035	39,068,096	*	1,444,273

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	IOWA		AMES		SAES	
							USDA CON/GT/CA SYS 1988		WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	32	7.0	201,796	2,359,328			*		257,639	
0200 WATER	13	1.7	25,563	282,338			*		14,107	
0300 WATERSHEDS RIVER BAS	1	0.0	0	5,997			*		0	
0400 AIR AND CLIMATE	6	2.1	81,449	180,183			*		0	
0500 TIMBER FORST PRODUCT	17	4.7	193,503	925,872			*		2,904	
0700 RANGE	2	0.0	0	1,859			*		0	
0800 WILDLIFE AND FISH	17	2.5	3,033	888,917			*		2	
1000 FRUIT NUTS DECIDUOUS	8	1.8	22,262	224,652			*		0	
1100 POTATOES	6	1.4	22,492	241,872			*		0	
1200 VEGETABLES	14	1.2	127,971	392,903			*		32,635	
1300 ORNAMENTALS TURF	6	1.9	23,635	426,396			*		7,764	
1400 CORN	76	13.0	808,296	3,627,217			*		157,219	
1500 GRAIN SORGHUM	1	0.7	58,082	111,292			*		0	
1600 RICE	1	0.0	0	5,755			*		0	
1700 WHEAT	6	0.4	16,842	85,506			*		0	
1800 OTHER SMALL GRAINS	10	1.8	198,256	529,844			*		3,702	
1900 PASTURE	2	0.5	53,810	94,637			*		1,578	
2000 FORAGE CROPS	15	1.9	181,455	463,463			*		25,831	
2200 COTTONSEED	1	0.0	0	10,532			*		0	
2300 SOYBEANS	84	10.2	419,282	2,788,639			*		160,822	
2400 PEANUTS	2	0.6	33,581	58,951			*		0	
2500 OTHER OILSEED CROPS	8	0.6	45,520	181,409			*		9,465	
2800 MISC NEW CROPS	2	0.0	28,141	38,292			*		7,764	
2900 POULTRY	16	3.5	283,811	826,203			*		0	
3000 BEEF CATTLE	39	12.0	575,664	3,457,488			*		103,024	
3100 DAIRY CATTLE	22	4.1	339,376	1,536,192			*		328	
3200 SWINE	39	10.2	692,743	4,534,358			*		78,881	
3300 SHEEP AND WOOL	4	0.3	19,390	56,217			*		0	
3400 OTHER ANIMALS	5	1.2	25,261	200,992			*		0	
3600 FARM SUPP & FACILITS	2	0.5	53,341	177,541			*		36,135	
3700 CLOTHING & TEXTILES	2	0.1	11,728	32,594			*		0	
3800 FOOD	16	4.3	114,923	1,628,580			*		554,801	
3900 HOUSING & EQUIP	2	0.3	670	64,384			*		0	
4000 PEOPLE AS INDIVIDUALS	20	2.8	66,903	816,094			*		70,768	
4100 FAMILY MEMBERS	12	2.3	40,459	412,996			*		0	
4200 FARM AS BUSINESS	11	1.8	70,627	312,193			*		0	
4300 SOC POLIT ORGANIZ	17	2.9	105,282	614,807			*		151,975	
4400 AGRIC ECONOMY U S	10	1.0	13,592	595,792			*		240,136	
4500 AGRIC ECONOMY FORGN	5	1.1	18,632	865,970			*		283,457	
4600 FARM COOPERATIVES	1	0.0	1,030	6,887			*		0	
4700 OTH MARKET PROCESS	2	0.2	16,165	26,083			*		0	
5100 WEEDS	1	0.3	0	67,102			*		0	
5200 SEED RESEARCH	3	0.7	12,746	127,523			*		441	
5300 BIO CELL SYSTEMS	5	1.3	63,130	381,706			*		0	
5400 EXP DESIGN/STAT METHOD	4	0.7	2,983	928,618			*		816,387	
5500 INVERTEBRATES	8	1.2	32,150	239,478			*		28,194	
5600 MICROORGANISMS VIRUSES	4	1.4	2,017	445,090			*		58,146	
5700 PLANTS	8	2.4	80,851	265,105			*		35,770	
5800 ANIMALS(VERTEBRATES)	7	3.0	80,783	1,065,872			*		0	
5900 RESEARCH ON RSCH MGMT	2	0.0	0	23,751			*		878	
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	0	9,778			*		9,211	
TOTAL		113.9	5,069,329	33,024,358			*		3,149,865	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	KANSAS	MANHATTAN	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	21	8.6	105,082	1,492,738	*	48,318
0200 WATER	15	4.5	71,056	864,808	*	18,720
0400 AIR AND CLIMATE	1	0.8	92,331	160,842	*	0
0500 RECREATION RESOURCES	1	0.1	14,031	28,626	*	0
0600 TIMBER FORST PRODUCT	10	2.0	127,720	352,437	*	0
0700 RANGE	10	5.5	35,958	1,103,737	*	29,599
0800 WILDLIFE AND FISH	1	0.4	0	21,611	*	0
1000 FRUIT NUTS DECIDUOUS	7	2.2	13,602	332,265	*	0
1200 VEGETABLES	12	2.7	54,462	443,885	*	0
1300 ORNAMENTALS TURF	11	3.4	41,345	489,715	*	4,386
1400 CORN	35	10.7	114,371	1,627,553	*	50,827
1500 GRAIN SORGHUM	34	14.4	143,366	1,951,401	*	13,434
1600 RICE	2	1.2	2,413	114,503	*	0
1700 WHEAT	75	32.0	543,379	5,689,186	*	572,476
1800 OTHER SMALL GRAINS	12	4.9	18,422	762,157	*	5,152
2000 FORAGE CROPS	20	6.6	81,253	820,451	*	34,407
2300 SOYBEANS	28	9.1	84,223	1,219,912	*	164
2500 OTHER DILSEED CROPS	6	1.1	7,750	238,983	*	0
2800 MISC NEW CROPS	1	0.1	6,807	9,797	*	0
2900 POULTRY	7	2.6	175,744	497,838	*	0
3000 BEEF CATTLE	70	22.3	546,208	5,535,492	*	209,331
3100 DAIRY CATTLE	29	5.7	214,358	1,526,180	*	10,994
3200 SWINE	34	7.0	106,948	1,531,834	*	144,552
3300 SHEEP AND WOOL	5	1.8	73,706	310,719	*	0
3400 OTHER ANIMALS	11	2.7	28,000	295,518	*	0
3600 FARM SUPP & FACILITS	3	1.3	0	133,578	*	0
3700 CLOTHING & TEXTILES	2	0.7	3,342	109,100	*	0
3800 FOOD	6	0.4	28,224	219,453	*	0
3900 HOUSING & EQUIP	1	0.3	0	15,099	*	0
4000 PEOPLE AS INDIVIDUALS	4	1.0	1,009	83,389	*	0
4100 FAMILY MEMBERS	10	3.5	69,393	345,572	*	0
4200 FARM AS BUSINESS	3	1.2	24,000	107,242	*	0
4300 SOC POLIT ORGANIZ	5	2.8	71,789	297,345	*	0
4700 DTH MARKET PROCESS	1	0.0	0	14,952	*	0
4800 MARKETING SYSTEMS	2	0.3	8,049	21,223	*	0
6300 BID CELL SYSTEMS	6	2.0	2,574	150,314	*	0
6400 EXP DESIGN/STAT METHOD	2	4.1	0	386,311	*	0
6500 INVERTEBRATES	3	0.1	0	37,066	*	14,877
6600 MICROORGANISMS VIRUSES	7	1.1	28,587	274,078	*	159,780
6700 PLANTS	26	11.6	153,405	1,756,508	*	279,274
6800 ANIMALS(VERTEBRATES)	14	7.5	55,441	1,358,700	*	0
6900 RESEARCH ON RSCH MGMT	1	0.3	0	40,556	*	0
7000 RSCH EQUIP & TECHNOLOGY	7	2.4	5,771	316,184	*	58,968
TOTAL		193.2	3,155,038	33,079,052	*	1,665,258

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	KENTUCKY	LEXINGTON	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	21	6.2	232,022	1,096,793	*	0
0200 WATER	10	1.9	83,684	316,381	*	0
0300 WATERSHEDS RIVER BAS	5	1.0	36,248	135,148	*	0
0400 AIR AND CLIMATE	1	0.2	10,167	84,164	*	0
0600 TIMBER FORST PRODUCT	13	6.3	223,516	782,617	*	0
0800 WILDLIFE AND FISH	1	0.4	12,461	62,171	*	0
1000 FRUIT NUTS DECIDUOUS	8	1.9	78,552	335,059	*	0
1100 POTATOES	1	0.4	13,873	73,180	*	0
1200 VEGETABLES	14	5.7	239,707	1,065,231	*	0
1300 ORNAMENTALS TURF	7	2.7	105,172	431,018	*	0
1400 CORN	16	4.3	211,446	742,847	*	0
1500 GRAIN SORGHUM	1	0.1	759	11,745	*	0
1700 WHEAT	9	2.1	79,906	245,439	*	0
1800 OTHER SMALL GRAINS	2	0.7	31,410	130,955	*	0
1900 PASTURE	1	0.5	13,233	83,164	*	0
2000 FORAGE CROPS	21	9.4	363,089	1,323,100	*	0
2300 SOYBEANS	14	5.7	268,095	999,529	*	0
2600 TOBACCO	19	13.7	290,891	1,450,241	*	0
2800 MISC NEW CROPS	2	0.4	14,819	111,501	*	0
2900 POULTRY	3	1.4	44,009	284,002	*	0
3000 BEEF CATTLE	22	9.1	390,508	1,581,978	*	0
3100 DAIRY CATTLE	16	5.8	287,865	1,102,630	*	0
3200 SWINE	11	4.0	176,431	935,881	*	0
3300 SHEEP AND WOOL	8	2.2	144,839	517,844	*	0
3400 OTHER ANIMALS	10	10.8	337,201	1,807,029	*	0
3600 FARM SUPP & FACILITS	1	0.6	28,603	58,114	*	0
3800 FOOD	2	0.8	13,115	98,429	*	0
3900 HOUSING & EQUIP	4	2.9	91,042	404,335	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.5	19,855	58,618	*	0
4100 FAMILY MEMBERS	6	3.2	62,168	217,527	*	0
4200 FARM AS BUSINESS	5	3.4	154,472	418,577	*	0
4300 SOC POLIT ORGANIZ	8	3.1	144,177	346,187	*	0
4400 AGRIC ECONOMY U S	3	0.8	27,440	85,227	*	0
4800 MARKETING SYSTEMS	2	0.7	10,821	84,515	*	0
6100 WEEDS	2	0.0	8,459	23,923	*	0
6200 SEED RESEARCH	1	0.4	10,135	86,489	*	0
6300 BID CELL SYSTEMS	2	1.4	19,934	121,514	*	0
6400 EXP DESIGN/STAT METHOD	2	0.5	7,101	46,647	*	0
6500 INVERTEBRATES	2	1.9	101,032	222,893	*	0
6600 MICROORGANISMS VIRUSES	3	1.1	47,207	137,934	*	0
6700 PLANTS	8	4.3	103,208	541,272	*	0
6800 ANIMALS(VERTEBRATES)	3	2.5	5,340	251,493	*	0
6900 RESEARCH ON RSCH MGMT	1	0.3	1,901	33,314	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.4	12,428	42,077	*	0
TOTAL		127.5	4,567,951	18,898,818	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	LOUISIANA	BATON ROUGE	SAES
				TOTAL FUNDS (GROSS) 1988	USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	28	8.0	149,049	853,221	*	43,180
0200 WATER	5	0.9	16,715	86,087	*	0
0300 WATERSHEDS RIVER BAS	3	0.5	1,555	42,481	*	0
0400 AIR AND CLIMATE	3	0.6	33,424	89,369	*	0
0500 RECREATION RESOURCES	2	0.3	1,366	23,207	*	0
0600 TIMBER FORST PRODUCT	40	9.9	276,063	1,086,846	*	0
0700 RANGE	3	0.2	1,090	29,889	*	0
0800 WILDLIFE AND FISH	36	14.8	93,905	2,188,612	*	261,174
0900 CITRUS SUB TROP FRUIT	5	1.6	0	140,147	*	0
1000 FRUIT NUTS DECIDUOUS	23	7.4	20,835	788,211	*	0
1100 POTATOES	1	0.2	22,142	29,404	*	0
1200 VEGETABLES	45	17.4	161,744	1,804,949	*	76,536
1300 ORNAMENTALS TURF	19	5.0	44,276	703,680	*	0
1400 CORN	24	3.4	31,906	347,372	*	3,562
1500 GRAIN SORGHUM	20	2.2	9,486	267,089	*	5,343
1600 RICE	42	17.1	123,740	2,401,444	*	32,939
1700 WHEAT	23	4.0	19,749	446,146	*	0
1800 OTHER SMALL GRAINS	4	0.5	11,594	82,006	*	0
1900 PASTURE	10	2.2	12,769	223,932	*	0
2000 FORAGE CROPS	54	14.1	109,317	1,712,507	*	3,278
2100 COTTON	37	10.7	138,555	1,402,170	*	3,488
2300 SOYBEANS	60	15.7	232,878	2,150,930	*	159,336
2700 SUGAR CROPS	28	8.9	69,922	1,426,404	*	0
2800 MISC NEW CROPS	2	0.2	3,541	15,803	*	0
2900 POULTRY	16	5.9	144,871	1,084,890	*	41
3000 BEEF CATTLE	64	18.7	349,259	3,416,500	*	11,369
3100 DAIRY CATTLE	54	15.7	272,791	2,944,507	*	7,997
3200 SWINE	10	1.6	93,812	436,101	*	41
3300 SHEEP AND WOOL	8	0.6	16,355	149,561	*	0
3400 OTHER ANIMALS	13	2.4	128,079	785,088	*	10,662
3600 FARM SUPP & FACILITS	5	0.7	13,318	67,453	*	0
3700 CLOTHING & TEXTILES	3	0.9	25,067	73,821	*	0
3800 FOOD	4	1.0	34,330	99,649	*	0
3900 HOUSING & EQUIP	3	0.9	5,618	145,722	*	0
4000 PEOPLE AS INDIVIDUALS	11	1.8	59,881	243,865	*	0
4100 FAMILY MEMBERS	5	1.7	58,507	144,233	*	0
4200 FARM AS BUSINESS	6	1.8	39,774	138,995	*	0
4300 SOC POLIT ORGANIZ	6	5.3	65,288	308,674	*	0
4400 AGRIC ECONOMY U S	4	0.8	7,791	49,929	*	0
4600 FARM COOPERATIVES	2	0.2	3,251	12,759	*	0
4800 MARKETING SYSTEMS	1	0.0	0	1,460	*	0
5100 WEEDS	6	0.7	24,411	105,303	*	25,850
5200 SEED RESEARCH	2	0.6	10,136	74,288	*	0
5300 BIO CELL SYSTEMS	4	1.2	14,519	275,745	*	34,908
5400 EXP DESIGN/STAT METHOD	6	2.8	0	488,202	*	4,992
5500 INVERTEBRATES	8	2.2	38,845	237,905	*	29,790
5600 MICROORGANISMS VIRUSES	4	0.7	27,020	87,981	*	1,622
5700 PLANTS	13	2.7	40,768	438,980	*	30,276
5800 ANIMALS(VERTEBRATES)	5	0.9	8,683	245,772	*	35,865
5900 RESEARCH ON RSCH MGMT	3	0.4	0	60,787	*	624
7000 RSCH EQUIP & TECHNOLOGY	3	0.5	12,077	88,704	*	624
TOTAL		219.7	3,079,953	30,499,864	*	783,608

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	MAINE	ORONO	SAES
				TOTAL FUNDS (GROSS) 1988	USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	9	3.5	154,995	673,637	*	87,037
0200 WATER	1	0.3	1,800	38,497	*	0
0300 WATERSHEDS RIVER BAS	3	1.0	36,249	173,509	*	0
0400 AIR AND CLIMATE	2	0.1	3,241	55,516	*	7,783
0500 RECREATION RESOURCES	2	0.5	20,070	36,526	*	0
0600 TIMBER FORST PRODUCT	37	15.9	470,562	2,344,602	*	258,252
0800 WILDLIFE AND FISH	12	5.9	206,929	898,359	*	0
1000 FRUIT NUTS DECIDUOUS	10	2.7	180,174	755,712	*	11,932
1100 POTATOES	25	9.7	448,022	1,825,449	*	149,390
1200 VEGETABLES	2	0.0	4,132	20,773	*	0
1300 ORNAMENTALS TURF	1	0.0	3,292	5,988	*	0
1400 CORN	2	0.3	23,881	66,464	*	0
1700 WHEAT	4	0.0	0	9,199	*	0
2000 FORAGE CROPS	4	0.8	57,741	144,057	*	0
2800 POULTRY	3	1.2	89,333	177,052	*	0
3000 BEEF CATTLE	1	0.0	4,271	0	*	0
3100 DAIRY CATTLE	11	3.7	129,027	1,270,831	*	0
3300 SHEEP AND WOOL	2	0.1	5,827	113,209	*	0
3600 FARM SUPP & FACILITS	1	1.0	40,883	99,686	*	0
3800 FOOD	4	1.8	53,506	165,731	*	0
3900 HOUSING & EQUIP	1	0.3	15,726	85,472	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.3	11,000	42,918	*	0
4100 FAMILY MEMBERS	2	1.0	0	10,888	*	0
4300 SOC POLIT ORGANIZ	3	1.6	82,848	161,325	*	0
5300 BIO CELL SYSTEMS	1	0.5	8,400	50,880	*	0
5600 INVERTEBRATES	3	1.8	39,882	123,700	*	0
5600 MICROORGANISMS VIRUSES	3	0.7	8,851	74,187	*	52,405
5700 PLANTS	4	0.7	21,136	139,049	*	79,109
TOTAL		55.6	2,078,858	9,568,574	*	845,907

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

MARYLAND

COLLEGE PARK

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	10	3.3	129,810	595,888	*	0
0200 WATER	8	1.9	81,484	324,550	*	0
0300 WATERSHEDS RIVER BAS	3	0.9	38,407	148,379	*	0
0600 RECREATION RESOURCES	2	1.4	31,611	179,711	*	0
0600 TIMBER FORST PRODUCT	10	2.8	186,729	562,820	*	0
0800 WILDLIFE AND FISH	3	1.0	31,464	191,239	*	0
1000 FRUIT NUTS DECIDUOUS	8	2.9	174,454	858,204	*	0
1100 POTATDES	3	1.6	32,548	157,587	*	18,635
1200 VEGETABLES	15	4.0	146,823	844,293	*	0
1300 ORNAMENTALS TURF	7	4.1	83,895	586,470	*	0
1400 CORN	10	1.4	53,564	340,141	*	0
1700 WHEAT	4	1.2	43,407	199,258	*	0
1800 OTHER SMALL GRAINS	3	0.8	8,343	107,221	*	0
1900 PASTURE	2	0.1	4,553	17,896	*	0
2000 FORAGE CROPS	6	2.0	31,908	306,931	*	25,755
2300 SOYBEANS	12	2.7	62,013	527,824	*	0
2600 TOBACCO	8	3.2	22,740	605,655	*	0
2800 MISC NEW CROPS	2	0.8	3,003	140,125	*	0
2900 POULTRY	21	8.8	380,413	1,869,211	*	44,797
3000 BEEF CATTLE	10	3.0	109,333	946,618	*	0
3100 DAIRY CATTLE	12	5.4	288,545	1,825,976	*	0
3200 SWINE	3	1.9	36,385	356,236	*	0
3400 OTHER ANIMALS	3	1.5	25,369	295,970	*	14,275
3700 CLOTHING & TEXTILES	2	0.0	4,065	4,065	*	0
3800 FOOD	4	0.8	55,720	138,878	*	0
3900 HOUSING & EQUIP	2	0.0	0	10,081	*	2,328
4000 PEOPLE AS INDIVIDUALS	2	0.6	420	84,752	*	0
4100 FAMILY MEMBERS	1	0.3	4,014	38,041	*	0
4200 FARM AS BUSINESS	1	0.4	6,022	57,062	*	0
4300 SOC POLIT ORGANIZ	2	0.8	32,126	148,894	*	0
4400 AGRIC ECONOMY U S	3	1.2	67,028	318,309	*	0
4500 AGRIC ECONOMY FORGN	1	0.1	1,333	13,019	*	0
6100 WEEDS	1	0.2	22,361	69,940	*	0
6500 INVERTEBRATES	11	2.3	98,683	453,370	*	143,276
6600 MICROORGANISMS VIRUSES	2	0.2	841	8,091	*	1,069
6700 PLANTS	7	2.4	33,853	363,552	*	2,907
6800 ANIMALS(VERTEBRATES)	3	0.1	2,320	19,931	*	581
7000 RSCH EQUIP & TECHNOLOGY	1	0.6	0	91,437	*	0
TOTAL		66.5	2,325,587	13,807,725	*	253,621

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

MASSACHUSETTS AMHERST

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	9	1.9	108,130	470,318	*	0
0200 WATER	2	0.3	11,830	148,965	*	0
0300 WATERSHEDS RIVER BAS	3	0.2	14,753	85,987	*	0
0600 RECREATION RESOURCES	1	0.0	1,141	3,248	*	0
0600 TIMBER FORST PRODUCT	18	2.5	215,051	840,895	*	26,255
0800 WILDLIFE AND FISH	7	1.8	60,442	350,063	*	38,616
1000 FRUIT NUTS DECIDUOUS	15	5.8	271,295	1,011,920	*	1,947
1100 POTATDES	4	0.5	47,561	147,993	*	17,958
1200 VEGETABLES	15	3.8	186,101	558,805	*	59,611
1300 ORNAMENTALS TURF	8	1.7	76,438	374,585	*	159,542
1400 CORN	7	0.4	15,449	103,062	*	8,511
2000 FORAGE CROPS	7	1.4	54,194	222,006	*	15,017
2300 SOYBEANS	4	0.4	14,183	119,191	*	0
2900 POULTRY	2	1.1	48,112	223,164	*	0
3000 BEEF CATTLE	1	1.2	25,103	116,017	*	0
3100 DAIRY CATTLE	5	2.0	87,776	461,980	*	0
3300 SHEEP AND WOOL	2	0.6	39,624	104,453	*	0
3400 OTHER ANIMALS	3	0.9	46,650	262,620	*	0
3800 FOOD	9	4.5	210,380	734,623	*	0
4000 PEOPLE AS INDIVIDUALS	6	0.9	62,342	186,721	*	25,408
4300 SOC POLIT ORGANIZ	5	0.9	66,062	242,108	*	0
4400 AGRIC ECONOMY U S	1	0.4	10,138	67,649	*	0
4800 MARKETING SYSTEMS	1	0.1	6,102	31,036	*	0
6500 INVERTEBRATES	28	4.4	231,057	1,004,428	*	410,002
6600 MICROORGANISMS VIRUSES	10	2.3	77,028	337,651	*	0
6700 PLANTS	2	0.4	9,022	52,376	*	0
6800 ANIMALS(VERTEBRATES)	5	3.2	103,977	312,063	*	0
TOTAL		43.7	2,099,722	8,382,922	*	761,858

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1988	MICHIGAN	LANSING	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	33	9.0	184,042	3,057,069	*	204,335
0200 WATER	13	3.7	112,702	1,129,535	*	225,210
0400 AIR AND CLIMATE	4	0.5	33,906	178,904	*	792
0500 RECREATION RESOURCES	6	2.6	13,496	537,418	*	25,179
0600 TIMBER FORST PRODUCT	37	12.5	203,762	2,947,930	*	1,054,554
0800 WILDLIFE AND FISH	16	6.0	32,351	1,541,269	*	12,651
1000 FRUIT NUTS DECIDUOUS	43	10.9	475,458	3,422,046	*	813,888
1100 POTATOES	11	2.4	61,151	826,999	*	343,394
1200 VEGETABLES	40	10.3	324,078	2,855,432	*	350,665
1300 ORNAMENTALS TURF	12	4.2	170,513	1,378,615	*	0
1400 CORN	12	1.8	120,536	400,123	*	4,725
1500 GRAIN SORGHUM	1	0.1	0	48,720	*	0
1600 RICE	1	0.1	0	9,078	*	0
1700 WHEAT	8	1.9	1,319	451,057	*	13,830
1800 OTHER SMALL GRAINS	9	2.8	96,148	650,687	*	85,670
2000 FORAGE CROPS	12	2.7	57,719	595,172	*	3,011
2300 SOYBEANS	14	3.2	21,883	805,362	*	106,899
2500 TOBACCO	1	0.0	0	9,906	*	0
2700 SUGAR CROPS	6	0.2	0	123,922	*	35,265
2800 MISC NEW CROPS	2	0.2	13,187	45,273	*	0
2900 POULTRY	17	4.4	82,378	851,888	*	43,922
3000 BEEF CATTLE	30	4.9	157,494	2,465,568	*	138,476
3100 DAIRY CATTLE	29	5.1	235,721	1,887,669	*	227,100
3200 SWINE	23	5.4	251,686	1,428,575	*	63,790
3300 SHEEP AND WOOL	2	0.1	15,896	100,135	*	0
3400 OTHER ANIMALS	9	1.2	30,177	720,657	*	94,451
3500 BEES AND HONEY	1	0.1	0	39,664	*	0
3600 FARM SUPP & FACILITS	4	1.8	34,151	235,499	*	2,640
3700 CLOTHING & TEXTILES	1	0.3	5,783	25,199	*	0
3800 FOOD	30	9.6	443,797	2,399,838	*	302,761
3900 HOUSING & EQUIP	2	0.6	28,111	80,670	*	792
4000 PEOPLE AS INDIVIDUALS	13	2.4	37,894	593,278	*	55,062
4100 FAMILY MEMBERS	10	1.6	26,401	229,594	*	0
4200 FARM AS BUSINESS	6	1.5	30,317	236,253	*	0
4300 SOC POLIT ORGANIZ	16	6.2	117,020	790,017	*	8,470
4400 AGRIC ECONOMY U S	5	2.2	104,561	397,657	*	7,695
4500 AGRIC ECONOMY FORGN	1	7.6	0	2,987,590	*	40,631
4800 MARKETING SYSTEMS	2	0.2	23,969	70,937	*	0
6100 WEEEDS	1	0.7	86,533	231,269	*	0
6300 BIO CELL SYSTEMS	4	0.6	0	180,274	*	0
6400 EXP DESIGN/STAT METHOD	1	0.5	35,480	62,180	*	0
6500 INVERTEBRATES	5	1.0	11,259	268,537	*	115,271
6600 MICROORGANISMS VIRUSES	15	3.3	80,252	809,868	*	192,625
6700 PLANTS	33	9.4	440,050	2,758,695	*	451,672
6800 ANIMALS (VERTEBRATES)	21	5.0	202,666	1,522,399	*	95,302
7000 RSCH EQUIP & TECHNOLOGY	6	1.1	61,568	393,832	*	1,848
TOTAL		152.1	4,457,223	42,584,181	*	4,922,385

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	MINNESOTA	ST PAUL	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	25	11.7	205,704	3,238,520	*	251,102
0200 WATER	9	2.3	90,205	875,064	*	1,559
0300 WATERSHEDS RIVER BAS	3	1.4	26,357	322,765	*	37,228
0400 AIR AND CLIMATE	5	2.9	59,125	495,350	*	24,335
0500 RECREATION RESOURCES	1	0.7	6,894	137,836	*	37,960
0600 TIMBER FORST PRODUCT	41	18.4	558,145	3,760,942	*	322,290
0700 RANGE	1	0.0	0	14,161	*	14,161
0800 WILDLIFE AND FISH	9	5.6	72,050	1,207,312	*	3,957
1000 FRUIT NUTS DECIDUOUS	9	3.2	4,645	696,046	*	4,018
1100 POTATOES	15	5.6	85,250	1,092,201	*	53,759
1200 VEGETABLES	26	7.3	113,924	1,510,963	*	100,378
1300 ORNAMENTALS TURF	13	4.6	73,839	1,068,936	*	0
1400 CORN	34	10.3	306,299	2,494,365	*	161,878
1600 RICE	5	2.6	0	619,512	*	0
1700 WHEAT	15	1.7	71,515	507,495	*	50,689
1800 OTHER SMALL GRAINS	12	4.9	114,644	1,300,977	*	62,895
2000 FORAGE CROPS	22	4.5	275,453	1,341,676	*	152,483
2300 SOYBEANS	26	5.4	85,890	1,391,233	*	84,707
2400 PEANUTS	2	0.2	677	25,711	*	0
2500 OTHER OILSEED CROPS	3	0.7	677	126,035	*	0
2700 SUGAR CROPS	2	1.4	52	339,571	*	0
2900 POULTRY	20	7.5	282,177	2,003,006	*	79,983
3000 BEEF CATTLE	20	5.4	125,185	1,713,007	*	24,278
3100 DAIRY CATTLE	31	10.7	383,818	3,458,599	*	51,077
3200 SWINE	25	5.8	251,617	2,780,137	*	15,730
3300 SHEEP AND WOOL	8	2.1	33,507	849,857	*	53,209
3400 OTHER ANIMALS	1	0.2	0	19,425	*	0
3500 BEES AND HONEY	1	0.5	0	115,142	*	0
3600 FARM SUPP & FACILITS	1	0.6	29,774	236,230	*	8,663
3700 CLOTHING & TEXTILES	5	2.3	36,924	256,880	*	0
3800 FOOD	23	8.5	316,835	2,186,178	*	14,119
3900 HOUSING & EQUIP	5	1.0	2,392	121,944	*	0
4000 PEOPLE AS INDIVIDUALS	15	6.1	79,980	688,285	*	4,573
4100 FAMILY MEMBERS	11	6.1	57,993	1,188,426	*	0
4200 FARM AS BUSINESS	3	0.7	40,754	139,241	*	11,899
4300 SOC POLIT ORGANIZ	10	1.9	139,981	523,191	*	195,042
4400 AGRIC ECONOMY U S	7	3.4	100,921	631,406	*	74,247
4500 AGRIC ECONOMY FORGN	1	0.5	35,146	70,004	*	0
4700 OTH MARKET PROCESS	2	0.2	1,197	33,051	*	0
4800 MARKETING SYSTEMS	3	0.8	63,694	155,533	*	0
6100 WEEDS	3	3.5	104,172	872,451	*	2,460
6300 BIO CELL SYSTEMS	8	1.7	74,594	439,576	*	40,385
6400 EXP DESIGN/STAT METHOD	4	1.3	51,491	406,179	*	27,722
6500 INVERTEBRATES	5	2.5	31,182	412,777	*	19,148
6600 MICROORGANISMS VIRUSES	6	1.4	8,951	689,322	*	91,770
6700 PLANTS	12	2.5	61,353	682,071	*	87,356
6800 ANIMALS(VERTEBRATES)	7	1.8	121,663	616,314	*	7,498
6900 RESEARCH ON RSCH MGMT	3	0.8	109,019	179,746	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.9	0	218,390	*	0
TOTAL		180.2	4,695,464	44,243,043	*	2,173,337

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD [GROSS] 1988	MISSISSIPPI	STATE COLLEGE	SAES
				TOTAL FUNDS [GROSS] 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	13	6.0	138,306	952,237	*	46,048
0200 WATER	7	2.1	85,238	228,844	*	4,359
0300 WATERSHEDS RIVER BAS	3	0.2	3,137	85,116	*	49,926
0400 AIR AND CLIMATE	1	0.9	9,820	19,979	*	0
0600 TIMBER FORST PRODUCT	84	37.6	483,099	5,047,507	*	798,182
0800 WILDLIFE AND FISH	48	26.3	160,077	5,446,414	*	1,341,203
1000 FRUIT NUTS DECIDUOUS	10	5.4	428,956	1,398,777	*	116,733
1100 POTATOES	1	0.2	6,802	16,551	*	0
1200 VEGETABLES	11	5.8	204,091	742,861	*	2,900
1300 ORNAMENTALS TURF	5	4.8	267,693	868,096	*	877
1400 CORN	13	1.8	37,460	329,093	*	2,468
1500 GRAIN SORGHUM	11	7.6	86,552	1,066,948	*	16,290
1600 RICE	8	6.0	87,575	1,069,340	*	12,406
1700 WHEAT	9	3.2	74,519	357,386	*	18,387
1900 PASTURE	1	1.7	76,423	204,173	*	0
2000 FORAGE CROPS	10	4.5	248,187	846,277	*	4,926
2100 COTTON	32	23.0	417,056	2,750,788	*	146,573
2300 SOYBEANS	35	14.1	222,856	2,636,211	*	26,202
2500 OTHER OILSEED CROPS	2	0.7	22,288	101,043	*	0
2900 POULTRY	16	18.2	192,820	1,524,002	*	2,675
3000 BEEF CATTLE	13	8.5	321,526	2,216,378	*	0
3100 DAIRY CATTLE	18	7.6	181,291	1,726,790	*	4,926
3200 SWINE	7	2.5	133,088	608,145	*	22,828
3300 SHEEP AND WOOL	3	0.8	6,961	151,836	*	0
3700 CLOTHING & TEXTILES	1	0.0	0	70,462	*	0
3800 FOOD	2	1.2	0	166,766	*	0
3900 HOUSING & EQUIP	1	0.0	495	96,877	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.9	4,406	43,406	*	0
4100 FAMILY MEMBERS	2	0.6	2,546	98,931	*	43,491
4200 FARM AS BUSINESS	8	3.8	47,192	419,198	*	7,404
4300 SOC POLIT ORGANIZ	7	2.9	19,715	383,904	*	84,746
4400 AGRIC ECONOMY U S	2	0.1	692	4,598	*	0
4600 FARM COOPERATIVES	2	0.2	0	23,066	*	0
4700 OTH MARKET PROCESS	1	0.0	692	2,011	*	0
4800 MARKETING SYSTEMS	4	2.1	43,685	218,728	*	0
6200 SEED RESEARCH	4	0.9	0	182,256	*	0
6500 INVERTEBRATES	5	2.1	0	353,571	*	78,968
6700 PLANTS	7	1.2	8,980	767,307	*	42,410
6800 ANIMALS(VERTEBRATES)	4	4.3	12,088	801,818	*	0
6900 RESEARCH ON RSCH MGMT	1	0.0	517	1,648	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.2	4,957	18,016	*	2,563
TOTAL		209.8	4,021,787	33,646,342	*	2,878,491

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	MISSOURI	COLUMBIA	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	20	7.7	190,933	1,451,101	*	233,277
0200 WATER	7	2.6	67,392	308,671	*	26,881
0300 WATERSHEDS RIVER BAS	1	0.8	66,229	180,586	*	9,697
0400 AIR AND CLIMATE	6	2.8	82,786	566,848	*	0
0600 TIMBER FORST PRODUCT	16	7.1	214,962	911,588	*	63,936
0800 WILDLIFE AND FISH	6	2.7	107,637	916,690	*	11,862
1000 FRUIT NUTS DECIDUOUS	12	4.1	107,875	586,500	*	0
1100 POTATOES	2	0.2	7,418	42,885	*	0
1200 VEGETABLES	5	0.8	29,130	152,489	*	0
1300 ORNAMENTALS TURF	7	1.6	57,403	705,823	*	0
1400 CORN	18	4.9	142,247	1,137,482	*	108,686
1500 GRAIN SORGHUM	7	0.5	8,793	167,783	*	581
1600 RICE	2	0.6	745	94,664	*	0
1700 WHEAT	9	4.5	103,681	627,048	*	73,108
1800 OTHER SMALL GRAINS	3	0.6	20,484	76,674	*	0
1900 PASTURE	3	0.1	12,594	63,126	*	0
2000 FORAGE CROPS	15	5.1	258,246	930,273	*	59,551
2100 COTTON	4	2.2	28,276	210,579	*	0
2300 SOYBEANS	28	8.1	127,820	1,665,149	*	375,488
2500 OTHER OILSEED CROPS	1	0.1	5,278	22,028	*	0
2800 POULTRY	12	3.4	257,702	733,862	*	0
3000 BEEF CATTLE	39	12.4	554,858	2,293,801	*	2,844
3100 DAIRY CATTLE	25	5.7	248,758	1,723,616	*	32,028
3200 SWINE	23	6.4	440,717	1,755,821	*	34,227
3300 SHEEP AND WOOL	12	3.2	94,434	627,588	*	159,404
3400 OTHER ANIMALS	8	1.1	98,346	503,798	*	471
3600 FARM SUPP & FACILITS	2	0.3	8,606	112,325	*	23
3800 FOOD	12	2.6	68,847	647,231	*	0
3900 HOUSING & EQUIP	3	1.8	14,454	222,633	*	309,856
4000 PEOPLE AS INDIVIDUALS	11	2.1	60,836	402,023	*	428
4100 FAMILY MEMBERS	6	0.9	20,215	94,516	*	37,870
4200 FARM AS BUSINESS	9	3.7	92,301	498,828	*	0
4300 SOC POLIT ORGANIZ	7	4.4	77,053	502,012	*	8,413
4400 AGRIC ECONOMY U S	7	2.2	63,699	252,225	*	31,535
4500 AGRIC ECONOMY FORGN	2	0.7	18,792	91,550	*	8,265
4600 FARM COOPERATIVES	1	0.8	17,697	126,407	*	0
4700 OTH MARKET PROCESS	1	0.2	4,925	22,551	*	33,021
4800 MARKETING SYSTEMS	3	0.8	11,700	168,329	*	0
6100 WEEDS	3	0.8	7,368	194,917	*	101,724
6200 SEED RESEARCH	3	0.6	4,520	380,452	*	0
6300 BIO CELL SYSTEMS	11	4.9	124,380	894,964	*	0
6400 EXP DESIGN/STAT METHOD	1	0.8	31,706	77,860	*	0
6500 INVERTEBRATES	4	1.1	37,379	271,983	*	0
6600 MICROORGANISMS VIRUSES	14	4.4	100,025	884,100	*	150,215
6700 PLANTS	23	10.1	224,656	1,961,255	*	201,920
6800 ANIMALS(VERTEBRATES)	14	3.7	95,318	795,496	*	21,279
TOTAL		135.7	4,419,013	27,057,897	*	2,116,039

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	MONTANA	BDZEMAN	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	14	2.8	71,952	485,505	*	22,182
0200 WATER	9	2.7	56,468	394,741	*	0
0300 WATERSHEDS RIVER BAS	2	0.4	13,325	87,484	*	0
0400 AIR AND CLIMATE	2	0.2	4,975	24,264	*	0
0600 TIMBER FORST PRODUCT	2	0.3	7,900	18,653	*	0
0700 RANGE	20	4.2	166,122	763,257	*	233,038
0800 WILDLIFE AND FISH	1	0.3	0	76,276	*	0
1000 FRUIT NUTS DECIDUOUS	2	0.9	9,649	48,392	*	0
1100 POTATOES	2	0.3	0	48,624	*	0
1200 VEGETABLES	9	1.8	8,038	280,565	*	0
1300 ORNAMENTALS TURF	3	0.6	12,258	37,349	*	0
1400 CORN	4	1.2	2,430	219,684	*	0
1500 GRAIN SORGHUM	1	0.0	0	3,755	*	0
1700 WHEAT	44	11.6	226,174	1,707,542	*	27,897
1800 OTHER SMALL GRAINS	34	8.6	230,168	1,185,612	*	36,029
1900 PASTURE	4	0.5	35,350	91,147	*	4
2000 FORAGE CROPS	24	4.0	67,680	596,763	*	7,845
2300 SOYBEANS	1	0.1	6,604	32,770	*	0
2500 OTHER OILSEED CROPS	6	0.7	10,154	240,136	*	0
2700 SUGAR CROPS	2	0.7	0	203,056	*	0
2800 MISC NEW CROPS	4	0.3	4,128	72,720	*	0
2900 POULTRY	1	0.1	6,514	21,876	*	0
3000 BEEF CATTLE	29	10.6	276,126	2,349,454	*	176,573
3100 DAIRY CATTLE	9	1.1	60,583	102,377	*	27,738
3200 SWINE	9	1.0	107,380	264,149	*	0
3300 SHEEP AND WOOL	9	2.7	141,571	797,110	*	330
3400 OTHER ANIMALS	3	0.4	73,533	117,776	*	0
3600 FARM SUPP & FACILITS	1	0.8	0	67,954	*	0
3800 FOOD	1	0.3	4,206	156,592	*	0
4000 PEOPLE AS INDIVIDUALS	4	1.0	21,663	67,103	*	0
4100 FAMILY MEMBERS	2	0.8	8,575	60,184	*	0
4200 FARM AS BUSINESS	2	0.6	6,462	34,994	*	0
4300 SOC POLIT ORGANIZ	1	1.2	47,311	65,413	*	0
4400 AGRIC ECONOMY U S	1	0.0	284	284	*	0
6100 WEEDS	10	1.7	84,493	217,761	*	7,278
6200 SEED RESEARCH	3	0.7	1,498	73,616	*	0
6300 BIO CELL SYSTEMS	2	0.2	0	103,993	*	0
6500 INVERTEBRATES	9	2.6	40,430	373,956	*	3,885
6600 MICROORGANISMS VIRUSES	11	1.0	35,813	163,538	*	3,095
6700 PLANTS	8	3.7	1,802	290,502	*	20,371
6800 ANIMALS(VERTEBRATES)	2	1.2	487	108,531	*	10,164
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	3,473	12,876	*	0
TOTAL		74.1	1,834,777	12,068,335	*	576,219

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	N MARIANAS			SAIPAN		SAES	
				TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA	WITH SAES AMOUNT 1988			
1200 VEGETABLES	2	1.5	311,905	333,889	*		0			
TOTAL		1.5	311,905	333,889	*		0			

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	NEBRASKA		LINCOLN		SAES	
				TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA	WITH SAES AMOUNT 1988		
0100 SOIL AND LAND	34	8.7	120,745	1,276,457	*		189,949		
0200 WATER	24	5.4	98,502	718,948	*		95,322		
0400 AIR AND CLIMATE	4	0.8	18,545	156,482	*		0		
0600 TIMBER FORST PRODUCT	10	3.2	104,488	471,486	*		0		
0700 RANGE	12	1.7	48,087	419,307	*		8,579		
0800 WILDLIFE AND FISH	3	1.3	9,786	213,489	*		0		
1000 FRUIT NUTS DECIDUOUS	1	0.1	1,499	21,416	*		0		
1100 POTATDES	3	0.8	44,571	128,717	*		0		
1200 VEGETABLES	15	4.4	68,451	1,020,388	*		0		
1300 ORNAMENTALS TURF	12	4.4	58,113	872,380	*		0		
1400 CORN	84	12.6	301,179	2,143,885	*		273,663		
1500 GRAIN SORGHUM	39	8.0	185,118	1,407,389	*		49,724		
1700 WHEAT	33	5.7	132,806	1,063,394	*		22,943		
1800 OTHER SMALL GRAINS	17	3.0	35,828	501,105	*		15,025		
1900 PASTURE	5	0.8	9,889	160,968	*		0		
2000 FORAGE CROPS	23	2.6	63,513	529,422	*		7,918		
2300 SOYBEANS	38	8.9	191,279	1,237,416	*		44,478		
2500 OTHER OILSEED CROPS	1	0.0	3,167	8,345	*		0		
2700 SUGAR CROPS	8	1.4	17,586	239,386	*		157		
2800 MISC NEW CROPS	3	0.6	6,180	60,357	*		0		
2900 POULTRY	12	3.9	95,702	863,176	*		0		
3000 BEEF CATTLE	56	15.8	531,288	8,776,723	*		1,438,612		
3100 DAIRY CATTLE	17	3.7	87,080	888,272	*		4,027		
3200 SWINE	35	12.7	345,388	3,303,795	*		331,348		
3300 SHEEP AND WOOL	8	1.6	22,016	888,159	*		220,894		
3400 OTHER ANIMALS	4	1.1	8,823	123,697	*		0		
3500 FARM SUPP & FACILITS	3	0.9	5,158	297,237	*		0		
3700 CLOTHING & TEXTILES	3	0.6	20,372	72,470	*		0		
3800 FOOD	12	2.6	77,266	469,908	*		0		
3900 HOUSING & EQUIP	4	0.8	12,135	77,448	*		0		
4000 PEOPLE AS INDIVIDUALS	7	2.2	2,570	245,523	*		0		
4100 FAMILY MEMBERS	11	0.9	51,309	106,212	*		0		
4200 FARM AS BUSINESS	2	0.3	10	82,174	*		0		
4300 SOC POLIT ORGANIZ	1	0.0	478	478	*		0		
4400 AGRIC ECONOMY U S	2	1.0	38,189	106,898	*		0		
4500 FARM COOPERATIVES	1	0.4	598	60,476	*		24,945		
4600 MARKETING SYSTEMS	1	0.4	26,775	43,487	*		0		
6100 WEEDS	4	0.8	21,433	157,694	*		329		
6200 SEED RESEARCH	1	1.0	0	414,937	*		0		
8400 EXP DESIGN/STAT METHOD	2	1.7	0	188,412	*		0		
8500 INVERTEBRATES	2	0.8	31,741	90,059	*		0		
8600 MICROORGANISMS VIRUSES	8	2.1	33,508	405,047	*		0		
8700 PLANTS	25	8.0	150,749	1,365,641	*		50,002		
8800 ANIMALS(VERTEBRATES)	2	0.5	0	224,088	*		0		
7000 RSCH EQUIP & TECHNOLOGY	1	0.2	2,228	15,470	*		0		
TOTAL		138.4	3,084,589	31,478,167	*		2,777,913		

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	NEVADA		RENO		SAES	
				TOTAL FUNDS (GROSS) 1988		USOA SYS 1988	CON/GT/CA	WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	13	1.7	63,308	272,462		*		3,849	
0200 WATER	11	1.4	54,736	323,261		*		1,788	
0300 WATERSHEDS RIVER BAS	8	0.7	30,516	142,184		*		92	
0600 TIMBER FORST PRODUCT	6	1.2	46,353	102,218		*		0	
0700 RANGE	17	2.2	54,133	397,433		*		13,077	
0800 WILDLIFE AND FISH	11	2.3	41,224	416,616		*		2,766	
1100 POTATOES	1	0.0	0	1,035		*		487	
1200 VEGETABLES	2	0.0	207	1,392		*		487	
1300 ORNAMENTALS TURF	2	0.2	6,846	52,074		*		0	
1700 WHEAT	1	0.0	0	1,035		*		487	
1800 OTHER SMALL GRAINS	1	0.0	0	1,035		*		487	
2000 FORAGE CROPS	11	2.8	115,550	323,708		*		4,389	
2100 COTTON	1	0.0	922	3,176		*		0	
3000 BEEF CATTLE	25	6.7	276,808	1,658,270		*		56,175	
3100 DAIRY CATTLE	9	1.6	50,673	247,874		*		30,748	
3200 SWINE	2	0.1	1,049	8,085		*		3,474	
3300 SHEEP AND WOOL	5	0.8	42,921	153,329		*		0	
3400 OTHER ANIMALS	1	0.3	24,617	170,822		*		0	
3600 BEES AND HONEY	1	0.6	0	32,104		*		0	
3800 FARM SUPP & FACILITS	1	0.1	4,875	11,284		*		0	
3700 CLOTHING & TEXTILES	1	0.3	8,287	28,586		*		0	
3800 FOOD	2	0.6	20,122	56,857		*		0	
3900 HOUSING & EQUIP	1	0.1	4,377	9,706		*		0	
4000 PEOPLE AS INDIVIDUALS	4	0.8	16,970	61,304		*		0	
4100 FAMILY MEMBERS	4	0.7	32,932	82,239		*		0	
4200 FARM AS BUSINESS	2	0.3	13,582	24,702		*		0	
4300 SOC POLIT ORGANIZ	9	1.4	23,857	185,808		*		0	
4400 AGRIC ECONOMY U S	1	0.1	0	19,073		*		0	
6100 WEEDS	1	0.0	0	11,002		*		3,854	
6300 BIO CELL SYSTEMS	6	1.1	39,307	229,608		*		0	
6400 EXP DESIGN/STAT METHOD	2	0.2	2,901	75,189		*		0	
6500 INVERTEBRATES	13	2.6	53,249	485,841		*		50,725	
6600 MICROORGANISMS VIRUSES	2	0.2	7,279	30,083		*		0	
6700 PLANTS	11	1.5	47,868	332,898		*		24,486	
6800 ANIMALS(VERTEBRATES)	5	1.2	3,866	152,043		*		0	
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	2,901	34,751		*		0	
TOTAL		34.0	1,082,346	6,088,808		*		197,370	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	NEW HAMPSHIRE		OURHAM		SAES	
				TOTAL FUNDS (GROSS) 1988		USOA SYS 1988	CON/GT/CA	WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	5	0.6	36,918	82,405		*		0	
0200 WATER	6	0.7	42,712	82,611		*		0	
0300 WATERSHEDS RIVER BAS	2	0.3	4,982	18,610		*		0	
0600 RECREATION RESOURCES	1	0.1	6,844	12,644		*		0	
0800 TIMBER FORST PRODUCT	16	6.0	260,549	592,475		*		0	
0800 WILDLIFE AND FISH	5	1.6	95,288	216,943		*		0	
1000 FRUIT NUTS DECIDUOUS	4	1.4	86,588	137,475		*		0	
1200 VEGETABLES	5	2.3	136,134	331,264		*		0	
1300 ORNAMENTALS TURF	2	0.3	9,879	63,087		*		0	
1400 CORN	2	0.8	29,282	115,473		*		0	
2000 FORAGE CROPS	4	1.1	66,238	315,200		*		0	
2300 SOYBEANS	1	0.5	84,742	108,708		*		0	
2600 OTHER OILSEED CROPS	1	0.1	5,103	9,741		*		0	
2900 POULTRY	2	1.2	71,814	331,976		*		0	
3100 DAIRY CATTLE	5	1.4	148,100	306,683		*		0	
3200 SWINE	2	1.6	63,986	164,100		*		0	
3400 OTHER ANIMALS	1	0.6	22,358	49,859		*		0	
3900 HOUSING & EQUIP	3	0.2	10,932	24,716		*		0	
4000 PEOPLE AS INDIVIDUALS	5	0.7	25,449	68,243		*		0	
4100 FAMILY MEMBERS	3	0.3	5,196	28,115		*		0	
4300 SOC POLIT ORGANIZ	6	1.1	34,989	136,427		*		0	
6100 WEEDS	1	0.0	2,238	2,303		*		0	
6300 BIO CELL SYSTEMS	2	0.2	13,487	54,113		*		0	
6400 EXP DESIGN/STAT METHOD	1	0.1	5,590	12,465		*		0	
6500 INVERTEBRATES	3	1.6	42,742	105,918		*		0	
6600 MICROORGANISMS VIRUSES	2	0.9	71,173	151,528		*		0	
6700 PLANTS	4	0.4	36,584	86,413		*		0	
6800 ANIMALS(VERTEBRATES)	5	1.4	60,733	142,301		*		0	
TOTAL		27.4	1,458,311	3,750,827		*		0	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	NEW JERSEY	NEW BRUNSWICK	SAES
				TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA WITH SAES AMOUNT 1988
0100 SOIL AND LAND	17	4.6	38,502	653,448	*	0
0200 WATER	12	4.2	22,497	743,392	*	0
0300 WATERSHEDS RIVER BAS	2	0.1	2,401	32,084	*	0
0400 AIR AND CLIMATE	3	0.7	11,817	161,815	*	0
0600 TIMBER FORST PRODUCT	10	2.5	183,444	543,960	*	5,433
0800 WILDLIFE AND FISH	12	4.9	12,948	1,019,811	*	0
1000 FRUIT NUTS DECIDUOUS	25	10.1	247,599	1,506,831	*	198,060
1100 POTATOES	8	2.5	65,174	243,844	*	301
1200 VEGETABLES	28	8.1	269,120	1,497,356	*	15,854
1300 ORNAMENTALS TURF	7	3.5	82,259	816,049	*	0
1400 CORN	9	1.8	43,247	266,210	*	5,537
2000 FORAGE CROPS	5	1.4	25,589	188,583	*	0
2200 COTTONSEED	1	0.0	0	8,243	*	5,296
2300 SOYBEANS	6	1.0	20,518	134,747	*	5,537
2400 PEANUTS	1	0.0	0	8,243	*	5,296
2800 POULTRY	11	2.6	65,722	597,113	*	42,800
3000 BEEF CATTLE	1	0.7	3,858	77,064	*	0
3100 DAIRY CATTLE	7	1.1	93,718	335,782	*	0
3200 SWINE	2	0.1	2,582	50,596	*	0
3300 SHEEP AND WOOL	2	0.2	5,614	74,732	*	0
3400 OTHER ANIMALS	4	1.0	22,367	153,727	*	0
3500 BEES AND HONEY	1	0.6	11,756	69,756	*	0
3600 FARM SUPP & FACILITS	5	1.2	49,845	344,846	*	0
3800 FOOD	20	10.6	163,963	1,030,569	*	4,263
3900 HOUSING & EQUIP	5	2.9	66,550	437,539	*	0
4000 PEOPLE AS INDIVIDUALS	20	5.1	47,966	955,821	*	0
4200 FARM AS BUSINESS	2	0.5	63,944	111,463	*	0
4300 SOC POLIT ORGANIZ	3	0.6	26,035	144,367	*	0
4600 AGRIC ECONOMY FORGN	1	1.0	0	67,781	*	0
4800 MARKETING SYSTEMS	2	0.8	4,382	86,268	*	0
6100 WEEDS	2	0.5	9,468	59,030	*	0
6300 BIO CELL SYSTEMS	13	4.7	146,507	956,515	*	0
6400 EXP DESIGN/STAT METHOD	5	1.9	16,596	456,116	*	0
6500 INVERTEBRATES	14	3.5	105,020	423,892	*	36,548
6600 MICROORGANISMS VIRUSES	15	3.5	131,811	895,031	*	18,000
6700 PLANTS	16	7.8	370,750	1,206,020	*	430,581
6800 ANIMALS(VERTEBRATES)	7	1.0	10,527	285,535	*	86,617
6900 RESEARCH ON RSCH MGMT	3	0.3	30,807	104,568	*	0
7000 RSCH EQUIP & TECHNOLOGY	4	0.9	1,116	235,725	*	0
TOTAL		98.5	2,475,619	16,984,770	*	860,122

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	NEW MEXICO	UNIVERSITY PARK	SAES
				TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA WITH SAES AMOUNT 1988
0100 SOIL AND LAND	14	2.9	56,908	462,583	*	26,549
0200 WATER	17	2.9	41,362	533,880	*	79,843
0300 WATERSHEDS RIVER BAS	1	0.5	0	28,220	*	0
0400 AIR AND CLIMATE	1	0.2	0	6,178	*	0
0600 RECREATION RESOURCES	3	1.0	14,306	170,863	*	0
0800 TIMBER FORST PRODUCT	8	4.2	162,583	627,625	*	10,365
0700 RANGE	22	7.7	150,388	748,318	*	44,624
0800 WILDLIFE AND FISH	7	3.0	16,605	429,602	*	21,780
1000 FRUIT NUTS DECIDUOUS	12	1.9	3,420	296,698	*	27
1100 POTATOES	3	0.1	0	28,230	*	0
1200 VEGETABLES	23	6.9	74,920	1,079,112	*	53,267
1300 ORNAMENTALS TURF	6	1.3	13,151	141,008	*	27
1400 CORN	9	0.7	37,130	182,846	*	40,174
1500 GRAIN SORGHUM	11	0.8	8,097	167,887	*	5,022
1700 WHEAT	12	0.9	15,403	151,172	*	5,022
1800 OTHER SMALL GRAINS	7	0.3	59	58,038	*	0
1900 PASTURE	6	0.4	16,457	45,076	*	0
2000 FORAGE CROPS	25	5.3	161,864	1,281,673	*	500,130
2100 COTTON	16	3.4	159,414	561,958	*	19,975
2300 SOYBEANS	7	0.6	20,033	80,200	*	0
2400 PEANUTS	2	1.3	8	112,875	*	0
2500 OTHER OILSEED CROPS	3	0.2	0	38,016	*	0
2700 SUGAR CROPS	3	0.1	0	28,298	*	0
2800 MISC NEW CROPS	9	2.5	41,550	332,634	*	63,840
2900 POULTRY	2	0.7	0	67,800	*	0
3000 BEEF CATTLE	28	9.6	459,153	1,679,554	*	145,816
3100 DAIRY CATTLE	3	0.0	3,059	18,527	*	0
3200 SWINE	1	0.0	0	1,055	*	0
3300 SHEEP AND WOOL	14	2.1	64,504	276,599	*	0
3400 OTHER ANIMALS	4	0.8	4,500	131,456	*	0
3700 CLOTHING & TEXTILES	1	0.3	0	17,229	*	0
3800 FOOD	1	0.6	13,815	47,153	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.4	0	37,593	*	0
4200 FARM AS BUSINESS	4	1.1	8,454	147,102	*	8,417
4300 SOC POLIT ORGANIZ	1	0.4	0	37,593	*	0
6300 BIO CELL SYSTEMS	2	0.0	0	17,839	*	17,839
6500 INVERTEBRATES	1	0.5	10,294	50,273	*	0
6700 PLANTS	4	1.1	36,578	221,672	*	26,758
6800 ANIMALS(VERTEBRATES)	1	0.9	36,578	113,664	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.6	0	110,568	*	14,453
TOTAL		88.4	1,630,393	10,570,668	*	1,084,029

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	NEW YORK	GENEVA	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	2	0.2	556	28,881	*	0
0200 WATER	1	0.1	0	11,487	*	0
0800 WILDLIFE AND FISH	3	0.2	0	29,150	*	10,800
0900 CITRUS SUB TROP FRUIT	1	0.1	1,059	20,007	*	0
1000 FRUIT NUTS DECIDUOUS	72	27.5	344,026	5,075,325	*	346,259
1100 POTATOES	1	0.4	0	28,750	*	6,888
1200 VEGETABLES	49	16.8	338,856	3,127,401	*	303,566
1300 ORNAMENTALS TURF	5	0.6	20,917	179,351	*	18,434
1400 CORN	1	0.5	0	50,873	*	0
1800 RICE	3	0.3	5,206	38,628	*	0
1700 WHEAT	2	0.1	5,206	24,195	*	0
1800 OTHER SMALL GRAINS	2	0.3	5,206	55,743	*	0
2000 FORAGE CROPS	2	0.1	37,514	108,910	*	55,303
2800 MISC NEW CROPS	1	0.1	0	3,557	*	0
2900 POULTRY	3	0.2	0	29,150	*	10,800
3800 FOOD	6	2.7	4,476	275,528	*	0
3900 HOUSING & EQUIP	1	0.0	0	10,730	*	6,885
4100 FAMILY MEMBERS	1	0.1	1,676	24,611	*	0
6200 SEED RESEARCH	7	2.4	16,159	277,913	*	12,422
6300 BIO CELL SYSTEMS	2	0.6	8,440	87,830	*	0
6500 INVERTEBRATES	9	2.5	28,080	353,024	*	102,856
6600 MICROORGANISMS VIRUSES	1	0.0	0	895	*	786
6700 PLANTS	2	1.1	11	226,721	*	17,113
6800 ANIMALS(VERTEBRATES)	3	0.3	0	38,880	*	14,400
TOTAL		57.4	817,193	10,107,886	*	906,492

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	NEW YORK	ITHACA	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	46	11.6	138,501	2,012,611	*	136,208
0200 WATER	30	9.6	53,990	1,630,154	*	34,281
0300 WATERSHEDS RIVER BAS	2	0.2	1,951	23,647	*	0
0400 AIR AND CLIMATE	5	2.5	23,108	493,386	*	16,813
0500 RECREATION RESOURCES	3	0.0	315	16,087	*	0
0600 TIMBER FORST PRODUCT	28	6.7	156,707	979,652	*	40,526
0700 RANGE	1	0.0	5,062	6,042	*	0
0800 WILDLIFE AND FISH	52	21.7	108,847	3,615,703	*	19,938
0900 CITRUS SUB TROP FRUIT	3	0.0	1,316	29,586	*	348
1000 FRUIT NUTS DECIDUOUS	25	4.8	147,367	657,643	*	0
1100 POTATOES	36	6.1	157,496	2,022,607	*	527,854
1200 VEGETABLES	58	10.5	377,926	2,644,228	*	91,755
1300 ORNAMENTALS TURF	25	5.9	164,856	1,226,981	*	0
1400 CORN	18	6.0	139,848	1,090,174	*	10,879
1800 GRAIN SORGHUM	2	0.1	4,051	37,112	*	0
1800 RICE	3	0.5	7,402	245,070	*	0
1700 WHEAT	7	0.9	28,864	281,148	*	6,037
1800 OTHER SMALL GRAINS	7	2.5	32,845	360,423	*	66,269
1900 PASTURE	3	0.1	5,560	55,365	*	10,571
2000 FORAGE CROPS	19	5.7	120,762	1,149,914	*	50,330
2300 SOYBEANS	6	1.7	21,059	253,858	*	9,579
2400 PEANUTS	1	0.0	0	9,480	*	6,403
2600 POULTRY	26	10.0	187,754	1,704,889	*	0
3000 BEEF CATTLE	20	4.4	126,386	701,177	*	59,299
3100 DAIRY CATTLE	54	19.1	304,957	5,098,378	*	137,458
3200 SWINE	9	1.5	30,227	383,424	*	239
3300 SHEEP AND WOOL	9	2.2	65,328	527,051	*	8,489
3400 OTHER ANIMALS	7	1.4	17,185	325,405	*	8,803
3500 BEES AND HONEY	2	1.3	4,917	172,043	*	36,253
3600 FARM SUPP & FACILITS	8	2.5	24,088	364,624	*	0
3700 CLOTHING & TEXTILES	16	1.2	44,106	296,312	*	0
3800 FOOD	22	7.6	78,193	2,202,052	*	48,447
3900 HOUSING & EQUIP	11	2.0	27,900	339,773	*	0
4000 PEOPLE AS INDIVIDUALS	88	41.2	276,446	8,095,353	*	133,608
4100 FAMILY MEMBERS	22	6.9	36,803	904,389	*	51,108
4200 FARM AS BUSINESS	10	2.6	71,048	283,155	*	0
4300 SOC POLIT ORGANIZ	32	8.9	154,203	1,620,495	*	104,590
4400 AGRIC ECONOMY U S	6	0.9	34,386	193,054	*	2,047
4500 AGRIC ECONOMY FORGN	2	0.1	0	220,683	*	0
4600 FARM COOPERATIVES	2	0.5	2,216	28,200	*	7,773
4700 OTH MARKET PROCESS	1	0.6	0	50,829	*	0
4800 MARKETING SYSTEMS	4	0.7	20,350	106,703	*	0
6100 WEEDS	3	0.1	10,324	107,265	*	0
6200 SEED RESEARCH	3	1.0	14,843	156,078	*	0
6300 BIO CELL SYSTEMS	36	17.7	191,975	3,833,060	*	0
6400 EXP DESIGN/STAT METHOD	20	4.8	65,066	550,375	*	8,946
6500 INVERTEBRATES	27	11.1	103,278	1,428,886	*	75,707
6600 MICROORGANISMS VIRUSES	40	15.2	76,208	2,437,789	*	197,067
6700 PLANTS	48	11.2	116,631	2,698,956	*	281,606
6800 ANIMALS(VERTEBRATES)	21	7.2	84,800	1,280,767	*	102,986
6900 RESEARCH ON RSCH MGMT	2	0.5	5,309	45,292	*	0
7000 RSCH EQUIP & TECHNOLOGY	6	5.1	2,833	784,740	*	0
TOTAL		269.3	3,855,150	54,163,304	*	2,294,415

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

NDRTH CAROLINA RALEIGH

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	43	11.3	207,888	2,359,530	*	59,940
0200 WATER	15	4.0	137,488	782,349	*	7,177
0300 WATERSHEDS RIVER BAS	5	0.8	40,595	175,095	*	0
0400 AIR AND CLIMATE	2	0.4	10,374	135,562	*	26,890
0500 RECREATION RESOURCES	4	0.7	82,821	226,140	*	15,243
0600 TIMBER FORST PRODUCT	44	25.1	455,584	6,240,188	*	1,874,135
0700 RANGE	1	0.0	0	418	*	0
0800 WILDLIFE AND FISH	27	5.7	151,901	1,488,835	*	11,160
1000 FRUIT NUTS DECIDUOUS	49	14.5	357,507	3,744,314	*	56,895
1100 POTATOES	14	1.7	32,442	713,403	*	0
1200 VEGETABLES	53	15.0	227,346	4,510,108	*	196,160
1300 ORNAMENTALS TURF	27	7.1	131,682	1,575,785	*	2,398
1400 CORN	55	13.3	276,472	4,027,148	*	261,473
1500 GRAIN SORGHUM	1	0.0	0	23,632	*	0
1600 RICE	3	2.1	19,496	779,567	*	2,215
1700 WHEAT	11	1.3	20,794	342,002	*	373
1800 OTHER SMALL GRAINS	5	0.8	13,350	259,148	*	0
1900 PASTURE	4	0.1	2,788	105,914	*	5,160
2000 FORAGE CROPS	23	3.0	104,524	1,191,505	*	33,383
2100 COTTON	16	2.1	92,574	534,498	*	14,944
2300 SOYBEANS	63	9.7	212,489	2,285,747	*	205,614
2400 PEANUTS	31	5.0	144,282	1,796,437	*	62,289
2500 OTHER OILSEED CROPS	1	0.1	1,356	12,923	*	0
2600 TOBACCO	64	17.2	333,243	5,951,533	*	116,696
2800 MISC NEW CROPS	4	0.4	13,632	104,893	*	0
2900 POULTRY	59	16.1	682,349	4,436,234	*	229,466
3000 BEEF CATTLE	37	6.7	271,084	2,396,753	*	19,431
3100 DAIRY CATTLE	43	10.5	505,254	3,511,874	*	134,425
3200 SWINE	38	8.6	388,076	2,776,882	*	49,023
3300 SHEEP AND WOOL	11	0.6	29,877	391,070	*	25,484
3400 OTHER ANIMALS	15	3.4	74,887	1,100,435	*	2,054
3500 BEES AND HONEY	3	0.3	2,485	84,016	*	0
3700 CLOTHING & TEXTILES	4	0.6	36,831	111,002	*	0
3800 FOOD	12	2.7	77,570	493,802	*	0
3900 HOUSING & EQUIP	6	1.4	35,571	222,545	*	0
4000 PEOPLE AS INDIVIDUALS	21	3.5	106,732	505,916	*	30,236
4100 FAMILY MEMBERS	5	0.9	45,517	114,506	*	0
4200 FARM AS BUSINESS	9	1.7	35,195	192,247	*	1,482
4300 SOC POLIT ORGANIZ	11	2.9	118,080	375,405	*	16,640
4400 AGRIC ECONOMY U S	4	1.7	56,684	191,051	*	3,480
4600 FARM COOPERATIVES	1	0.2	1,215	13,236	*	0
4700 OTH MARKET PROCESS	1	0.0	0	15,505	*	0
6100 WEEDS	9	1.3	32,506	265,364	*	20,678
6200 SEED RESEARCH	1	1.0	8,716	94,195	*	0
6300 BIO CELL SYSTEMS	19	4.5	73,904	1,320,485	*	3,264
6400 EXP DESIGN/STAT METHOD	12	4.2	31,149	594,384	*	65,819
6500 INVERTEBRATES	28	6.0	114,966	1,281,546	*	183,929
6600 MICROORGANISMS VIRUSES	26	4.5	68,105	1,702,613	*	126,054
6700 PLANTS	44	7.5	51,011	3,291,526	*	265,130
6800 ANIMALS (VERTEBRATES)	19	4.1	109,374	1,369,365	*	5,682
7000 RSCH EQUIP & TECHNOLOGY	4	0.8	34,569	192,606	*	0
TOTAL		239.9	6,138,364	66,435,536	*	3,960,186

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	NORTH DAKOTA FARGO		SAES WITH SAES AMOUNT 1988
					USDA CON/GT/CA SYS 1988		
0100 SOIL AND LAND	22	11.1	120,880	1,321,049	*		1,715
0200 WATER	11	5.7	47,819	715,037	*		0
0300 WATERSHEDS RIVER BAS	1	0.4	10,096	43,911	*		0
0400 AIR AND CLIMATE	4	0.6	10,367	86,055	*		805
0500 RECREATION RESOURCES	1	1.8	0	145,232	*		33,723
0600 TIMBER FORST PRODUCT	3	2.2	93,984	304,702	*		43,075
0700 RANGE	9	4.7	128,350	1,021,512	*		0
1000 FRUIT NUTS DECIDUOUS	3	0.0	0	7,903	*		0
1100 POTATOES	16	7.0	165,498	1,050,142	*		288,825
1200 VEGETABLES	23	3.6	51,968	671,797	*		73,301
1300 ORNAMENTALS TURF	3	0.1	2,565	24,103	*		0
1400 CORN	17	2.3	43,951	347,640	*		0
1700 WHEAT	43	15.7	277,440	2,877,823	*		26,104
1800 OTHER SMALL GRAINS	33	9.1	157,059	1,589,141	*		0
1900 PASTURE	2	0.3	6,460	51,312	*		0
2000 FORAGE CROPS	10	2.4	33,158	379,350	*		0
2100 COTTON	1	0.1	0	77,660	*		0
2300 SOYBEANS	8	1.9	9,712	269,029	*		0
2500 OTHER OILSEED CROPS	31	10.1	101,219	1,379,588	*		425,116
2700 SUGAR CROPS	8	2.0	53,191	291,519	*		0
2800 MISC NEW CROPS	3	0.3	0	45,340	*		0
2900 POULTRY	1	0.5	32,934	81,282	*		0
3000 BEEF CATTLE	26	9.3	199,107	1,813,325	*		0
3100 DAIRY CATTLE	6	2.9	105,419	499,924	*		0
3200 SWINE	13	3.7	162,829	848,861	*		0
3300 SHEEP AND WOOL	9	2.6	30,635	531,843	*		45,463
3400 OTHER ANIMALS	1	0.4	11,533	50,897	*		0
3600 FARM SUPP & FACILITS	1	0.1	5,271	13,394	*		0
3800 FOOD	2	0.6	18,845	93,875	*		0
3900 HOUSING & EQUIP	1	0.0	0	8,652	*		0
4000 PEOPLE AS INDIVIDUALS	3	0.5	4,514	202,710	*		0
4100 FAMILY MEMBERS	2	0.2	30	16,024	*		0
4200 FARM AS BUSINESS	5	3.0	44,758	257,822	*		3,410
4300 SOC POLIT ORGANIZ	7	5.9	43,094	475,498	*		46,060
4400 AGRIC ECONOMY U.S	2	0.5	11,508	81,834	*		0
4800 FARM COOPERATIVES	1	0.5	11,186	47,357	*		10,111
4800 MARKETING SYSTEMS	4	1.5	26,046	148,003	*		0
6100 WEEDS	4	4.0	13,324	368,442	*		0
6300 BIO CELL SYSTEMS	6	1.3	38,681	225,309	*		3,878
6400 EXP DESIGN/STAT METHOD	1	0.1	0	83,303	*		4,024
6500 INVERTEBRATES	4	0.6	951	58,052	*		3,878
6600 MICROORGANISMS VIRUSES	9	2.4	54,714	286,310	*		2,210
6700 PLANTS	11	1.8	11,259	264,330	*		96,140
6800 ANIMALS(VERTEBRATES)	5	5.1	12,728	941,857	*		0
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	0	5,370	*		0
TOTAL		129.3	2,152,864	19,714,312	*		1,107,838

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	OHIO		WOOSTER		SAES	
					USDA CON/GT/CA SYS 1988		WITH SAES AMOUNT 1988			
0100 SOIL AND LAND	28	9.8	321,998	1,884,318	*					0
0200 WATER	11	2.7	89,393	422,289	*					0
0300 WATERSHEDS RIVER BAS	2	1.1	33,554	133,232	*					0
0400 AIR AND CLIMATE	2	0.4	26,270	151,409	*					0
0500 RECREATION RESOURCES	8	1.0	12,854	129,772	*					0
0800 TIMBER FORST PRODUCT	32	13.2	428,619	2,122,253	*				48,976	0
0800 WILDLIFE AND FISH	3	0.8	17,545	34,028	*					0
0800 CITRUS SUB TROP FRUT	1	0.1	1,889	7,346	*					0
1000 FRUIT NUTS DECIOUOUS	29	9.4	239,885	2,831,084	*				39,345	0
1100 POTATOES	8	1.4	25,192	351,422	*				71,342	0
1200 VEGETABLES	27	9.2	380,807	1,749,580	*					0
1300 ORNAMENTALS TURF	23	9.1	348,896	1,675,484	*				23,236	0
1400 CORN	29	10.1	430,930	2,140,661	*				15,534	0
1700 WHEAT	7	1.3	50,682	344,656	*					0
1800 OTHER SMALL GRAINS	8	1.0	27,287	244,615	*					0
1900 PASTURE	1	0.0	0	10,734	*					0
2000 FORAGE CROPS	8	3.3	141,201	686,144	*					0
2100 COTTON	1	0.3	2,888	41,757	*					0
2300 SOYBEANS	29	8.9	318,410	1,854,476	*				1,861	0
2500 OTHER OILSEED CROPS	4	1.3	44,048	120,284	*					0
2800 TOBACCO	1	0.1	0	64,277	*					0
2700 SUGAR CROPS	1	0.4	25,874	58,720	*					0
2900 POULTRY	28	8.2	345,899	2,743,356	*				118,005	0
3000 BEEF CATTLE	17	5.7	204,640	1,541,404	*				341	0
3100 DAIRY CATTLE	35	12.4	845,987	4,384,058	*				89,579	0
3200 SWINE	28	9.8	317,497	3,550,105	*				233,763	0
3300 SHEEP AND WOOL	8	3.5	113,387	1,067,836	*					0
3400 OTHER ANIMALS	6	1.0	26,931	303,104	*					0
3500 BEES AND HONEY	1	0.2	5,508	10,526	*					0
3600 FARM SUPP & FACILITS	3	1.8	53,913	271,666	*				45,463	0
3700 CLOTHING & TEXTILES	1	0.1	2,347	146,639	*					0
3800 FOOD	9	4.0	132,978	452,239	*					0
3900 HOUSING & EQUIP	3	1.2	50,509	252,840	*					0
4000 PEOPLE AS INDIVIDUALS	15	1.2	31,518	402,638	*					0
4100 FAMILY MEMBERS	13	3.3	102,806	412,078	*				25,085	0
4200 FARM AS BUSINESS	5	2.0	50,840	263,382	*				16,710	0
4300 SOC POLIT ORGANIZ	8	1.7	21,714	489,834	*				4,287	0
4400 AGRIC ECONOMY U S	4	1.3	32,999	148,072	*				2,927	0
6100 WEEDS	2	0.8	27,231	96,744	*					0
6300 BIO CELL SYSTEMS	4	0.4	17,458	197,095	*					0
6400 EXP DESIGN/STAT METHOD	1	0.0	0	6,934	*					0
6500 INVERTEBRATES	3	1.4	22,005	186,087	*				14,037	0
6600 MICROORGANISMS VIRUSES	7	2.1	29,709	437,026	*				111,150	0
6700 PLANTS	22	2.8	75,503	990,496	*				110,036	0
8800 ANIMALS(VERTEBRATES)	10	1.0	16,976	268,034	*				5,612	0
6900 RESEARCH ON RSCH MGMT	1	1.4	20,376	105,924	*					0
7000 RSCH EQUIP & TECHNOLOGY	4	0.6	15,795	42,108	*					0
TOTAL		152.7	5,289,328	35,808,588	*				955,039	

TABLE 11-8 SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD [GROSS] 1988	OKLAHOMA	STILLWATER	SAES
				TOTAL FUNDS [GROSS] 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	11	5.4	102,882	1,247,024	*	53,984
0200 WATER	8	4.5	41,140	843,806	*	8,922
0300 WATERSHEDS RIVER BAS	2	0.9	11,835	178,182	*	4,080
0600 TIMBER FORST PRODUCT	11	5.2	283,603	810,422	*	59,080
0700 RANGE	5	3.1	112,055	503,885	*	0
0800 WILDLIFE AND FISH	1	0.0	0	6,129	*	0
1000 FRUIT NUTS DECIDUOUS	10	2.7	15,628	512,305	*	137,285
1100 POTATOES	1	0.1	0	38,229	*	38,229
1200 VEGETABLES	16	6.3	13,726	1,027,155	*	273,142
1300 ORNAMENTALS TURF	2	1.1	0	131,883	*	0
1400 CORN	1	0.3	0	33,141	*	0
1500 GRAIN SORGHUM	9	2.1	50,796	383,920	*	2,224
1700 WHEAT	30	14.4	267,702	2,321,846	*	70,362
1800 OTHER SMALL GRAINS	3	1.2	4,455	115,105	*	0
1900 PASTURE	2	0.7	55,353	92,254	*	0
2000 FORAGE CROPS	12	4.3	326,932	1,140,398	*	12,970
2100 COTTON	10	5.0	197,411	991,980	*	0
2300 SOYBEANS	5	1.6	68,089	262,435	*	0
2400 PEANUTS	6	1.3	60,062	199,455	*	1,355
2800 MISC NEW CROPS	1	0.1	0	36,683	*	0
2900 POULTRY	1	1.1	15,056	354,838	*	0
3000 BEEF CATTLE	32	15.8	475,476	3,291,507	*	167,612
3100 DAIRY CATTLE	14	5.2	145,275	1,099,685	*	5,856
3200 SWINE	6	2.5	261,628	638,436	*	46,428
3300 SHEEP AND WOOL	1	0.5	0	71,707	*	0
3400 OTHER ANIMALS	5	0.4	42,355	182,305	*	49,783
3600 FARM SUPP & FACILITS	4	2.4	0	339,722	*	0
3700 CLOTHING & TEXTILES	1	0.1	4	16,700	*	0
3800 FOOD	2	1.0	0	153,257	*	0
3900 HOUSING & EQUIP	6	2.3	12,885	314,539	*	4,715
4000 PEOPLE AS INDIVIDUALS	5	1.8	58,597	195,052	*	0
4100 FAMILY MEMBERS	2	0.0	0	72,219	*	0
4200 FARM AS BUSINESS	12	4.8	411	484,349	*	9,727
4300 SOC POLIT ORGANIZ	3	1.3	0	142,483	*	0
4400 AGRIC ECONOMY U S	3	1.0	0	108,304	*	0
4500 AGRIC ECONOMY FORGN	1	0.2	0	50,448	*	0
4800 MARKETING SYSTEMS	3	0.6	411	45,227	*	21,487
6100 WEEDS	2	0.3	24,614	42,859	*	0
6300 BIO CELL SYSTEMS	3	1.6	104,722	261,715	*	0
6500 INVERTEBRATES	4	1.8	94,658	289,798	*	6,698
6600 MICROORGANISMS VIRUSES	4	2.7	4,020	401,648	*	50,205
6700 PLANTS	10	6.1	76,939	1,088,778	*	18,271
6800 ANIMALS(VERTEBRATES)	2	0.8	39,232	95,539	*	15,415
TOTAL		114.8	2,988,151	20,447,089	*	1,055,788

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	OREGON		CORVALLIS		SAES	
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988		WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	27	6.8	94,472	1,177,267	*			273,850	
0200 WATER	14	2.8	80,001	586,701	*			97,018	
0300 WATERSHEDS RIVER BAS	6	1.2	13,405	239,818	*			424	
0800 RECREATION RESOURCES	2	0.1	4,133	27,274	*			0	
0800 TIMBER FORST PRODUCT	18	3.0	86,048	513,089	*			158,085	
0700 RANGE	13	1.8	37,016	382,122	*			8,848	
0800 WILDLIFE AND FISH	31	11.1	88,187	2,413,367	*			185,288	
1000 FRUIT NUTS DECIDUOUS	47	16.0	208,996	2,528,594	*			236,399	
1100 POTATOES	21	5.1	49,782	966,452	*			186,078	
1200 VEGETABLES	33	8.2	161,036	1,483,823	*			55,229	
1300 ORNAMENTALS TURF	12	3.0	30,559	468,072	*			4,429	
1400 CORN	5	0.4	1,099	83,978	*			49,529	
1700 WHEAT	24	8.6	114,792	1,550,855	*			146,071	
1800 OTHER SMALL GRAINS	18	3.4	21,816	561,757	*			12,076	
1900 PASTURE	5	0.4	8,358	55,939	*			0	
2000 FORAGE CROPS	24	3.3	41,688	546,897	*			15,222	
2300 SOYBEANS	1	0.8	7,754	71,588	*			0	
2500 OTHER OILSEED CROPS	4	2.4	0	420,900	*			88,422	
2700 SUGAR CROPS	2	0.1	4,176	38,452	*			1,035	
2800 MISC NEW CROPS	23	5.1	38,276	835,920	*			34,529	
2900 POULTRY	11	2.9	99,941	652,904	*			0	
3000 BEEF CATTLE	23	7.6	159,262	1,949,282	*			161,858	
3100 DAIRY CATTLE	12	3.2	90,750	1,133,090	*			17,545	
3200 SWINE	9	1.0	38,664	375,190	*			32,526	
3300 SHEEP AND WOOL	14	2.5	130,899	609,651	*			22,043	
3400 OTHER ANIMALS	6	2.2	31,396	338,523	*			8,698	
3500 BEES AND HONEY	2	0.3	5,826	41,701	*			0	
3700 CLOTHING & TEXTILES	1	0.0	5,209	6,019	*			0	
3800 FOOD	7	3.8	119,743	787,711	*			37,006	
3900 HOUSING & EQUIP	1	0.1	29,219	84,804	*			0	
4000 PEOPLE AS INDIVIDUALS	10	2.2	83,788	492,545	*			38,226	
4100 FAMILY MEMBERS	9	0.8	40,555	154,676	*			19,113	
4200 FARM AS BUSINESS	4	0.2	1,649	27,878	*			3,424	
4300 SOC POLIT ORGANIZ	7	1.6	47,389	381,974	*			42,202	
4400 AGRIC ECONOMY U S	3	0.7	20,227	184,853	*			6,258	
4500 AGRIC ECONOMY FORGN	1	0.1	0	10,878	*			0	
6100 WEEDS	3	0.3	4,254	51,776	*			988	
6200 SEED RESEARCH	5	2.9	11,931	854,553	*			0	
6300 BIO CELL SYSTEMS	5	2.6	3,897	345,962	*			6,568	
6400 EXP DESIGN/STAT METHOD	3	1.0	0	268,341	*			13,608	
6500 INVERTEBRATES	7	2.9	35,929	413,858	*			46,153	
6600 MICROORGANISMS VIRUSES	7	1.4	3,763	232,026	*			106,764	
6700 PLANTS	22	6.0	87,754	995,082	*			95,824	
6800 ANIMALS(VERTEBRATES)	9	4.4	19,270	862,515	*			1,367	
6900 RESEARCH ON RSCH MGMT	7	23.4	321,656	2,621,017	*			27,001	
7000 RSCH EQUIP & TECHNOLOGY	1	0.4	0	114,919	*			0	
TOTAL		158.0	2,424,262	28,884,415	*			2,256,749	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	PENNSYLVANIA		COLLEGE PARK		SAES	
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988		WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	13	7.7	241,987	1,335,063	*			13,677	
0200 WATER	12	3.6	116,107	495,803	*			22,534	
0300 WATERSHEDS RIVER BAS	2	0.2	3,584	15,966	*			0	
0400 AIR AND CLIMATE	2	1.3	8,131	195,238	*			0	
0500 RECREATION RESOURCES	1	0.1	0	46,744	*			0	
0600 TIMBER FORST PRODUCT	23	9.9	498,469	2,716,126	*			953,441	
0800 WILDLIFE AND FISH	10	2.1	28,725	896,885	*			23,935	
1000 FRUIT NUTS DECIDUOUS	23	9.6	342,368	1,785,285	*			68,441	
1100 POTATOES	11	2.6	104,617	446,896	*			59,043	
1200 VEGETABLES	17	5.9	309,738	1,139,473	*			0	
1300 ORNAMENTALS TURF	19	7.1	288,851	1,320,086	*			8	
1400 CORN	13	9.2	276,154	1,149,998	*			69,881	
1700 WHEAT	8	1.1	29,679	138,942	*			0	
1800 OTHER SMALL GRAINS	7	1.4	37,401	159,905	*			1,886	
2000 FORAGE CROPS	17	5.7	220,030	937,513	*			74,572	
2300 SOYBEANS	1	0.4	3,563	27,106	*			2,828	
2500 OTHER OILSEED CROPS	1	0.1	3,642	5,532	*			0	
2800 TOBACCO	1	0.3	7,201	28,275	*			0	
2900 POULTRY	19	11.6	481,442	2,230,239	*			0	
3000 BEEF CATTLE	6	1.9	120,844	522,926	*			6,055	
3100 DAIRY CATTLE	31	9.6	640,220	3,086,273	*			397,572	
3200 SWINE	10	4.5	167,151	801,842	*			59,859	
3300 SHEEP AND WOOL	6	1.7	47,854	405,845	*			4,230	
3400 OTHER ANIMALS	4	0.6	22,815	93,173	*			508	
3500 FARM SUPP & FACILITS	2	0.3	9,505	34,147	*			0	
3800 FOOD	20	7.6	324,886	1,069,148	*			0	
3900 HOUSING & EQUIP	5	2.9	107,489	458,874	*			0	
4000 PEOPLE AS INDIVIDUALS	13	6.1	229,134	725,601	*			63,458	
4100 FAMILY MEMBERS	6	1.7	40,207	146,111	*			0	
4200 FARM AS BUSINESS	4	4.2	117,700	396,951	*			32,662	
4300 SOC POLIT ORGANIZ	10	6.7	288,344	897,102	*			41,548	
4500 AGRIC ECONOMY FORGN	1	9.1	0	1,633,581	*			0	
6300 BIO CELL SYSTEMS	3	0.5	39,703	97,678	*			0	
6500 INVERTEBRATES	7	2.1	37,888	383,127	*			37,635	
6600 MICROORGANISMS VIRUSES	5	1.0	138,739	180,258	*			0	
6700 PLANTS	14	3.5	199,750	642,533	*			185,738	
6800 ANIMALS(VERTEBRATES)	8	1.4	82,577	341,436	*			135,756	
7000 RSCH EQUIP & TECHNOLOGY	3	0.8	30,970	190,287	*			34,702	
TOTAL		148.3	5,806,264	27,255,843	*			2,289,970	

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	PUERTO RICO	RIO PIEDRAS	SAES
				TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA WITH SAES AMOUNT 1988
0100 SOIL AND LAND	4	1.0	32,533	163,882	*	25,948
0200 WATER	1	0.2	8,737	14,416	*	0
0800 WILDLIFE AND FISH	1	0.2	0	17,380	*	8,584
0900 CITRUS SUB TROP FRUIT	24	8.6	415,613	1,427,326	*	149,804
1000 FRUIT NUTS DECIDUOUS	2	0.4	38,705	104,678	*	5,912
1100 POTATOES	2	0.7	39,827	83,542	*	0
1200 VEGETABLES	33	18.4	814,024	2,829,211	*	228,433
1300 ORNAMENTALS TURF	5	1.0	58,883	138,387	*	0
1400 CORN	1	0.1	0	10,484	*	0
1800 RICE	7	1.3	49,003	175,802	*	10,862
1900 PASTURE	5	2.5	252,351	807,221	*	431
2000 FORAGE CROPS	5	2.4	277,859	628,281	*	0
2300 SOYBEANS	1	0.1	0	10,484	*	0
2700 SUGAR CROPS	12	10.2	704,821	1,837,658	*	539
2800 MISC NEW CROPS	10	3.8	338,024	762,934	*	0
2900 POULTRY	2	0.8	53,744	121,483	*	0
3000 BEEF CATTLE	3	0.9	6,254	187,088	*	43,572
3100 DAIRY CATTLE	3	2.0	215,512	488,829	*	0
3800 FOOD	2	2.2	173,429	382,708	*	0
3900 HOUSING & EQUIP	1	0.1	0	30,250	*	10,138
4000 PEOPLE AS INDIVIDUALS	2	1.5	49,850	114,349	*	0
4100 FAMILY MEMBERS	1	0.4	15,388	33,087	*	0
4200 FARM AS BUSINESS	1	1.4	58,338	128,338	*	0
4300 SOC POLIT ORGANIZ	1	0.5	20,518	44,089	*	0
8500 INVERTEBRATES	1	0.2	0	10,803	*	0
TOTAL		58.8	3,621,495	10,170,430	*	478,801

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	RHODE ISLAND	KINGSTON	SAES
				TOTAL FUNDS (GROSS) 1988	USDA SYS 1988	CON/GT/CA WITH SAES AMOUNT 1988
0100 SOIL AND LAND	5	1.4	61,695	158,568	*	0
0200 WATER	4	1.9	53,667	176,754	*	0
0300 WATERSHEDS RIVER BAS	1	0.8	9,393	74,838	*	0
0800 TIMBER FORST PRODUCT	4	2.8	136,536	288,988	*	0
0800 WILDLIFE AND FISH	9	3.5	137,682	409,783	*	0
0900 CITRUS SUB TROP FRUIT	1	0.0	1,676	5,031	*	0
1000 FRUIT NUTS DECIDUOUS	4	1.0	52,863	195,267	*	18,183
1100 POTATOES	3	1.0	56,338	203,894	*	44,239
1200 VEGETABLES	2	1.1	53,248	109,714	*	0
1300 ORNAMENTALS TURF	8	3.4	149,833	582,095	*	0
2000 FORAGE CROPS	1	0.0	0	17,027	*	5,285
2900 POULTRY	3	1.1	45,388	101,598	*	0
3100 DAIRY CATTLE	1	0.6	3,029	38,769	*	0
3300 SHEEP AND WOOL	1	0.3	10,415	29,574	*	0
3400 OTHER ANIMALS	1	0.4	18,858	65,619	*	0
3800 FOOD	3	2.2	99,478	223,367	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.5	6,057	38,670	*	0
4300 SOC POLIT ORGANIZ	4	1.8	87,347	250,002	*	0
4800 MARKETING SYSTEMS	1	0.3	17,715	33,059	*	0
8600 MICROORGANISMS VIRUSES	1	0.0	0	24,307	*	18,183
8700 PLANTS	2	0.9	50,185	124,046	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	1.3	12,355	47,828	*	0
TOTAL		25.9	1,043,531	3,172,891	*	85,889

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

SOUTH CAROLINA CLEMSON

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	15	2.3	116,523	339,510	*	0
0200 WATER	13	1.3	102,776	279,178	*	0
0400 AIR AND CLIMATE	1	0.0	1,544	5,343	*	0
0500 RECREATION RESOURCES	1	0.0	3,945	6,607	*	0
0600 TIMBER FORST PRODUCT	3	0.1	7,087	41,088	*	0
0800 WILDLIFE AND FISH	13	3.8	110,670	481,831	*	19,044
1000 FRUIT NUTS DECIDUOUS	34	9.7	243,554	1,702,861	*	154,898
1200 VEGETABLES	32	11.0	148,915	1,888,055	*	175,482
1300 ORNAMENTALS TURF	12	4.4	231,984	742,787	*	0
1400 CORN	22	2.0	38,567	318,873	*	0
1500 GRAIN SORGHUM	3	0.0	1,544	14,216	*	0
1700 WHEAT	12	1.4	43,631	231,167	*	0
1800 OTHER SMALL GRAINS	6	0.4	6,528	93,584	*	0
1900 PASTURE	1	0.6	19,751	77,839	*	0
2000 FORAGE CROPS	14	5.3	128,853	799,057	*	0
2100 COTTON	15	2.3	57,207	497,992	*	3,909
2300 SOYBEANS	31	8.1	239,136	1,410,725	*	20,874
2400 PEANUTS	1	0.0	0	12,127	*	0
2600 TOBACCO	12	4.5	40,603	829,637	*	0
2700 SUGAR CROPS	1	0.2	0	10,558	*	0
2800 MISC NEW CROPS	1	0.0	421	1,457	*	0
2900 POULTRY	19	4.8	272,224	930,649	*	7,084
3000 BEEF CATTLE	20	5.2	262,477	1,375,422	*	0
3100 DAIRY CATTLE	19	4.9	281,839	1,916,732	*	0
3200 SWINE	10	2.0	110,319	432,850	*	0
3400 OTHER ANIMALS	5	0.5	25,955	109,149	*	0
3600 FARM SUPP & FACILITS	1	0.1	0	6,482	*	5,718
3700 CLOTHING & TEXTILES	1	0.0	0	31,227	*	0
3800 FOOD	6	1.6	56,360	384,782	*	14,228
3900 HOUSING & EQUIP	2	0.2	658	42,585	*	0
4000 PEOPLE AS INDIVIDUALS	5	0.4	30,473	113,230	*	0
4100 FAMILY MEMBERS	1	0.1	13,589	18,232	*	0
4200 FARM AS BUSINESS	5	0.3	33,873	97,815	*	43,871
4300 SOC POLIT ORGANIZ	7	0.9	87,181	150,069	*	0
4400 AGRIC ECONOMY U S	4	1.1	26,067	243,174	*	14,228
4600 FARM COOPERATIVES	1	0.1	5,898	10,289	*	0
4700 OTH MARKET PROCESS	2	0.6	30,459	53,432	*	0
4800 MARKETING SYSTEMS	2	0.2	11,797	88,010	*	0
6100 WEEDS	4	0.5	14,481	103,827	*	24,396
6300 BIO CELL SYSTEMS	2	0.2	3,885	36,813	*	0
6400 EXP DESIGN/STAT METHODD	2	1.8	189	245,567	*	0
6500 INVERTEBRATES	15	2.9	31,734	415,199	*	47,521
6600 MICROORGANISMS VIRUSES	6	0.9	40,999	344,418	*	83,086
6700 PLANTS	4	6.3	8,431	1,590,777	*	99,596
6800 ANIMALS(VERTEBRATES)	4	1.2	14,880	376,577	*	14,228
7000 RSCH EQUIP & TECHNOLOGY	2	0.2	7,830	27,286	*	0
TOTAL		94.8	2,914,801	19,008,874	*	727,943

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

SOUTH DAKOTA BROOKINGS

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	12	3.6	74,737	335,661	*	0
0200 WATER	7	2.6	30,188	198,773	*	0
0300 WATERSHEDS RIVER BAS	1	0.3	10,657	28,728	*	0
0400 AIR AND CLIMATE	1	0.7	40,032	41,389	*	0
0600 TIMBER FORST PRODUCT	7	1.7	88,201	204,188	*	0
0700 RANGE	8	3.5	112,951	283,173	*	0
0800 WILDLIFE AND FISH	5	0.9	68,418	152,433	*	0
1000 FRUIT NUTS DECIDUOUS	2	0.0	12,610	22,777	*	0
1100 POTATOES	2	0.7	3,744	86,831	*	0
1200 VEGETABLES	2	0.6	5,600	77,222	*	0
1300 ORNAMENTALS TURF	2	0.5	35,096	57,355	*	0
1400 CORN	19	6.3	143,248	1,008,293	*	0
1500 GRAIN SORGHUM	2	0.3	4,217	26,151	*	0
1700 WHEAT	13	5.1	112,311	466,566	*	0
1800 OTHER SMALL GRAINS	10	1.7	31,804	518,106	*	0
1900 PASTURE	1	0.1	1,449	10,238	*	0
2000 FORAGE CROPS	14	3.8	102,390	431,816	*	0
2300 SOYBEANS	12	2.1	39,900	199,254	*	0
2500 OTHER DILSEED CROPS	4	2.5	47,454	245,017	*	36,585
2700 SUGAR CROPS	1	0.1	1,787	10,919	*	0
2800 MISC NEW CROPS	1	0.0	0	39,332	*	0
2900 POULTRY	4	1.8	42,711	204,006	*	0
3000 BEEF CATTLE	16	4.8	289,538	593,740	*	58,498
3100 DAIRY CATTLE	14	5.1	220,587	543,860	*	58,498
3200 SWINE	12	7.1	344,292	768,784	*	58,340
3300 SHEEP AND WOOL	6	2.1	46,989	250,275	*	0
3400 OTHER ANIMALS	3	2.1	56,139	338,737	*	0
3600 FARM SUPP & FACILITS	1	0.7	11,633	53,563	*	0
3700 CLOTHING & TEXTILES	1	0.0	4,821	8,833	*	0
3800 FOOD	1	1.1	50,390	75,593	*	0
3900 HOUSING & EQUIP	1	0.0	412	412	*	0
4000 PEOPLE AS INDIVIDUALS	2	1.5	40,650	140,175	*	0
4100 FAMILY MEMBERS	1	0.0	102	102	*	0
4200 FARM AS BUSINESS	3	0.8	26,170	55,703	*	0
4300 SOC POLIT ORGANIZ	4	0.8	39,090	53,243	*	0
4400 AGRIC ECONOMY U S	1	0.2	8,244	9,747	*	0
6100 WEEDS	1	0.0	11,784	48,247	*	0
6300 BIO CELL SYSTEMS	1	0.0	140	140	*	0
6600 MICROORGANISMS VIRUSES	3	0.5	34,069	82,680	*	0
6700 PLANTS	5	2.9	20,783	379,328	*	0
6800 ANIMALS(VERTEBRATES)	1	0.8	37,971	62,804	*	0
TOTAL		89.3	2,253,306	8,191,973	*	211,900

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	TENNESSEE		KNOXVILLE		SAES WITH SAES AMOUNT 1988
							USDA CON/GT/CA SYS 1988		
0100 SOIL AND LAND	12	5.8	212,411	856,883	*				0
0200 WATER	6	2.5	87,006	250,126	*				0
0400 AIR AND CLIMATE	1	0.4	5,405	30,174	*				0
0500 RECREATION RESOURCES	2	0.7	19,036	90,032	*				6,788
0800 TIMBER FORST PRODUCT	12	5.9	261,885	1,134,885	*				14,527
0700 RANGE	2	1.8	41,403	267,502	*				0
0800 WILDLIFE AND FISH	3	2.6	161,948	488,897	*				6,408
1000 FRUIT NUTS DECIDUOUS	13	4.8	126,583	783,897	*				0
1100 POTATOES	1	0.0	0	896	*				0
1200 VEGETABLES	18	7.9	197,234	1,254,866	*				8,677
1300 ORNAMENTALS TURF	17	9.6	325,026	1,206,408	*				2,168
1400 CORN	16	3.8	167,778	741,311	*				2,187
1500 GRAIN SORGHUM	8	1.0	49,980	232,899	*				0
1700 WHEAT	10	2.4	92,475	370,058	*				0
1800 OTHER SMALL GRAINS	3	0.6	23,863	125,464	*				0
1900 PASTURE	2	1.1	30,825	192,305	*				0
2000 FORAGE CROPS	14	5.3	259,341	1,243,191	*				32,408
2100 COTTON	13	4.2	207,956	729,091	*				0
2300 SOYBEANS	23	6.9	333,413	1,426,547	*				16,488
2400 TOBACCO	11	4.4	189,762	984,714	*				0
2800 MISC NEW CROPS	2	0.3	37,353	62,829	*				0
2900 POULTRY	4	1.6	75,052	267,983	*				0
3000 BEEF CATTLE	28	9.8	339,517	2,704,465	*				121,783
3100 DAIRY CATTLE	22	8.1	463,730	3,653,137	*				5,420
3200 SWINE	15	3.8	209,443	1,051,300	*				6,840
3300 SHEEP AND WOOL	4	0.4	14,060	91,969	*				0
3400 OTHER ANIMALS	2	0.6	28,422	97,034	*				0
3700 CLOTHING & TEXTILES	2	0.8	45,318	221,155	*				26,687
3800 FOOD	10	3.1	108,678	414,486	*				774
3900 HOUSING & EQUIP	4	1.5	87,791	182,823	*				0
4000 PEOPLE AS INDIVIDUALS	6	1.7	55,189	170,187	*				0
4200 FARM AS BUSINESS	4	2.7	74,079	166,435	*				0
4300 SOC POLIT ORGANIZ	2	1.1	53,974	83,329	*				0
6100 WEEDS	3	0.3	16,332	92,712	*				1,807
8400 EXP DESIGN/STAT METHOD	1	0.2	8,461	10,958	*				0
8500 INVERTEBRATES	1	0.0	0	1,807	*				1,807
8600 MICROORGANISMS VIRUSES	2	0.1	4,426	38,061	*				1,882
8700 PLANTS	5	1.8	30,349	206,161	*				0
8800 ANIMALS(VERTEBRATES)	5	0.6	28,184	118,082	*				0
7000 RSCH EQUIP & TECHNOLOGY	2	0.8	45,872	144,320	*				0
TOTAL		111.3	4,499,134	22,288,983	*				256,606

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

TEXAS

COLLEGE STATION

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD [GRDSS] 1988	TOTAL FUNDS (GRDSS) 1988	USDA CDN/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	32	11.3	234,345	2,885,054	*	159,430
0200 WATER	42	14.8	250,285	2,885,002	*	57,512
0300 WATERSHEDS RIVER BAS	3	1.0	18,151	174,887	*	10,429
0400 AIR AND CLIMATE	2	0.1	716	18,111	*	3,892
0500 RECREATION RESOURCES	9	4.2	36,154	526,734	*	70,347
0600 TIMBER FORST PRDDUCT	22	5.6	233,097	2,507,768	*	691,524
0700 RANGE	29	10.6	438,825	2,574,300	*	199,527
0800 WILDLIFE AND FISH	36	9.3	139,381	2,804,040	*	195,685
0900 CITRUS SUB TROP FRUIT	13	3.1	78,988	652,311	*	10,484
1000 FRUIT NUTS DECIDUOUS	23	7.4	262,065	1,487,131	*	81,707
1100 POTATOES	4	1.0	46,678	380,985	*	0
1200 VEGETABLES	42	14.3	356,614	2,966,434	*	37,045
1300 ORNAMENTALS TURF	22	11.9	338,559	2,174,368	*	2,078
1400 CORN	40	6.1	68,270	1,393,111	*	24,709
1500 GRAIN SORGHUM	80	15.9	120,855	3,430,027	*	37,071
1600 RICE	16	5.1	172,924	1,175,728	*	788
1700 WHEAT	41	9.8	248,044	2,186,820	*	170,646
1800 OTHER SMALL GRAINS	12	2.5	43,836	476,697	*	3,540
1900 PASTURE	7	2.7	66,243	676,114	*	1,989
2000 FORAGE CROPS	29	10.1	258,738	1,827,555	*	6,034
2100 COTTON	68	27.7	381,196	5,283,285	*	201,963
2200 COTTONSEED	3	0.3	425	101,664	*	5,236
2300 SOYBEANS	21	5.4	155,406	863,792	*	788
2400 PEANUTS	17	7.3	29,674	1,523,956	*	5,770
2500 OTHER OILSEED CROPS	4	0.6	12,437	263,827	*	12,218
2600 TOBACCO	1	0.0	0	38,509	*	38,509
2700 SUGAR CROPS	14	4.6	20,410	1,144,225	*	9,628
2800 MISC NEW CROPS	7	2.3	22,505	678,542	*	327,027
2900 POULTRY	22	8.0	101,941	2,158,505	*	0
3000 BEEF CATTLE	93	26.5	955,264	10,732,650	*	713,328
3100 DAIRY CATTLE	45	9.1	219,197	2,672,390	*	401,424
3200 SWINE	13	1.8	15,011	439,695	*	11,185
3300 SHEEP AND WDDL	30	5.1	126,011	1,473,055	*	80,997
3400 OTHER ANIMALS	40	5.8	146,581	2,227,723	*	77,883
3500 BEES AND HONEY	2	0.0	7	267,113	*	9,254
3600 FARM SUPP & FACILITIES	1	0.0	182	18,888	*	5,211
3800 FOOD	4	0.8	3,698	201,928	*	117,002
3900 HOUSING & EQUIP	2	0.0	1,403	89,704	*	0
4000 PEOPLE AS INDIVIDUALS	11	2.2	85,000	481,627	*	8,465
4100 FAMILY MEMBERS	1	0.3	0	48,932	*	0
4200 FARM AS BUSINESS	5	2.5	7,843	377,710	*	0
4300 SOC POLIT ORGANIZ	5	3.5	26,782	608,802	*	4,081
4400 AGRIC ECONOMY U S	9	6.8	81,696	946,110	*	16,465
4800 MARKETING SYSTEMS	1	0.5	30,187	80,783	*	0
6300 BIO CELL SYSTEMS	15	14.2	39,251	2,923,020	*	1,495
6400 EXP DESIGN/STAT METHOD	3	0.2	2,272	43,527	*	6,819
6500 INVERTEBRATES	6	1.7	10,879	549,753	*	90,220
6600 MICROORGANISMS VIRUSES	2	1.0	0	46,882	*	40,007
6700 PLANTS	6	0.9	9,732	322,458	*	163,877
6800 ANIMALS(VERTEBRATES)	5	0.4	36,384	143,928	*	14,586
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	968	10,965	*	0
TOTAL		286.9	5,915,291	69,718,179	*	4,127,965

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

UTAH

LOGAN

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD [GRDSS] 1988	TOTAL FUNDS (GRDSS) 1988	USDA CDN/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	15	3.3	190,476	449,529	*	11,770
0200 WATER	13	1.5	29,638	214,285	*	2,600
0300 WATERSHEDS RIVER BAS	1	0.1	8,272	13,880	*	0
0400 AIR AND CLIMATE	3	0.6	0	17,238	*	0
0500 RECREATION RESOURCES	2	0.4	20,229	32,389	*	1,233
0600 TIMBER FORST PRODUCT	9	1.8	89,696	233,453	*	87,906
0700 RANGE	20	3.3	75,927	904,704	*	37,847
0800 WILDLIFE AND FISH	2	0.4	12,882	45,489	*	0
1000 FRUIT NUTS DECIDUOUS	14	3.6	174,257	494,689	*	29,297
1200 VEGETABLES	1	0.3	0	29,139	*	0
1300 ORNAMENTALS TURF	3	0.9	20,620	138,951	*	9,122
1500 GRAIN SORGHUM	1	0.1	0	2,762	*	0
1700 WHEAT	10	3.4	66,668	494,107	*	35,102
1800 OTHER SMALL GRAINS	7	1.5	35,229	257,275	*	14,910
1900 PASTURE	2	0.2	0	41,454	*	6,711
2000 FORAGE CROPS	21	4.1	97,146	645,785	*	70,422
2900 POULTRY	8	4.8	87,292	563,594	*	0
3000 BEEF CATTLE	12	7.4	126,490	675,910	*	38,409
3100 DAIRY CATTLE	36	13.4	193,546	1,960,535	*	313,189
3200 SWINE	1	0.5	0	24,417	*	0
3300 SHEEP AND WDDL	12	5.4	86,489	1,078,611	*	144,198
3400 OTHER ANIMALS	4	1.0	2,655	217,845	*	0
3500 BEES AND HONEY	1	0.6	21,912	94,975	*	45,449
3800 FOOD	5	1.9	28,047	233,054	*	45,567
4000 PEOPLE AS INDIVIDUALS	14	3.1	134,008	450,097	*	0
4100 FAMILY MEMBERS	6	1.1	28,240	108,038	*	0
4200 FARM AS BUSINESS	3	0.5	0	180,485	*	0
4300 SOC POLIT ORGANIZ	3	0.1	0	84,504	*	0
4400 AGRIC ECONOMY U S	1	0.0	0	6,185	*	0
6100 WEEDS	1	0.0	0	127,538	*	0
6200 SEED RESEARCH	1	0.0	0	231	*	0
6300 BIO CELL SYSTEMS	3	0.8	28,812	101,044	*	0
6500 INVERTEBRATES	1	0.1	0	8,524	*	0
6600 MICROORGANISMS VIRUSES	3	0.6	0	243,385	*	35,135
6700 PLANTS	28	6.6	90,301	635,874	*	19,336
6800 ANIMALS(VERTEBRATES)	10	5.0	27,297	1,484,246	*	345
7000 RSCH EQUIP & TECHNOLOGY	1	0.6	42,290	54,344	*	0
TOTAL		79.3	1,718,395	12,878,557	*	948,548

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

VERMONT

BURLINGTON

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	5	1.6	41,297	206,066	*	0
0200 WATER	1	0.1	1,975	11,135	*	0
0400 AIR AND CLIMATE	2	0.3	598	19,366	*	0
0800 RECREATION RESOURCES	3	0.2	2,134	27,881	*	0
0800 TIMBER FORST PRODUCT	8	3.0	120,573	786,390	*	112,503
1000 FRUIT NUTS DECIDUOUS	6	1.6	85,796	421,464	*	33,982
1100 POTATOES	1	0.6	12,287	55,701	*	0
1300 ORNAMENTALS TURF	3	0.6	29,712	297,108	*	0
1900 PASTURE	1	0.3	12,583	63,478	*	0
2000 FORAGE CROPS	2	1.1	45,409	126,454	*	0
2900 POULTRY	1	0.4	59,075	77,210	*	0
3000 BEEF CATTLE	3	0.3	25,847	84,163	*	0
3100 DAIRY CATTLE	13	4.0	421,541	959,255	*	0
3300 SHEEP AND WOOL	3	0.2	18,651	67,870	*	0
3400 OTHER ANIMALS	2	0.2	23,466	44,780	*	0
3500 BEES AND HONEY	1	0.2	1,313	14,114	*	0
3700 CLOTHING & TEXTILES	1	0.3	3,833	8,600	*	0
3800 FOOD	3	0.9	44,471	119,399	*	0
3900 HOUSING & EQUIP	1	0.0	3,828	8,429	*	0
4000 PEOPLE AS INDIVIDUALS	6	0.3	24,511	83,249	*	0
4100 FAMILY MEMBERS	2	0.2	7,044	18,239	*	0
4300 SOC POLIT ORGANIZ	8	1.2	54,152	118,474	*	0
4400 AGRIC ECONOMY U S	1	0.4	19,012	34,638	*	0
4500 AGRIC ECONOMY FORGN	1	0.0	10,481	10,481	*	0
4800 MARKETING SYSTEMS	1	0.2	3,085	7,970	*	0
6100 WEEDS	1	0.0	0	40,735	*	40,735
6300 BIO CELL SYSTEMS	1	0.0	2,488	2,488	*	0
6600 MICROORGANISMS VIRUSES	2	0.3	47,813	153,021	*	0
6700 PLANTS	8	2.6	98,149	275,047	*	0
6800 ANIMALS(VERTEBRATES)	3	0.7	45,365	93,577	*	0
TOTAL		22.3	1,246,388	4,236,880	*	187,220

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

VIRGIN ISLANDS ST. THOMAS

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	2	0.1	4,469	7,805	*	3,136
0200 WATER	2	0.1	8,838	18,347	*	9,409
0700 RANGE	1	0.5	76,705	115,058	*	0
0800 WILDLIFE AND FISH	4	0.7	133,934	200,902	*	0
0900 CITRUS SUB TROP FRUT	6	1.0	149,400	232,783	*	16,503
1000 FRUIT NUTS DECIDUOUS	1	0.0	9,766	14,649	*	0
1200 VEGETABLES	8	1.2	144,242	256,379	*	47,836
1900 PASTURE	1	0.5	0	36,495	*	36,495
3300 SHEEP AND WOOL	4	0.9	129,723	220,590	*	52,582
3900 HOUSING & EQUIP	1	0.1	0	9,409	*	9,409
4800 MARKETING SYSTEMS	2	0.0	4,270	29,141	*	22,736
6600 MICROORGANISMS VIRUSES	1	0.3	23,679	35,518	*	0
TOTAL		5.4	685,127	1,176,877	*	198,105

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	VIRGINIA		BLACKSBURG		SAES	
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988		WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	14	11.2	130,569	2,088,335	*			35,159	
0200 WATER	7	3.2	86,456	897,324	*			4,297	
0300 WATERSHEDS RIVER BAS	2	3.3	53,340	669,020	*			1,105	
0600 RECREATION RESOURCES	1	0.4	16,221	49,812	*			8	
0800 TIMBER FORST PRODUCT	40	13.1	450,132	3,678,061	*			621,235	
0800 WILDLIFE AND FISH	14	8.8	56,953	2,066,840	*			46,866	
0900 CITRUS SUB TROP FRUIT	1	1.3	27,280	244,167	*			10,162	
1000 FRUIT NUTS DECIDUOUS	17	6.6	131,085	1,384,776	*			12,946	
1100 POTATOES	5	3.2	99,198	594,939	*			7,293	
1200 VEGETABLES	8	4.3	66,601	698,145	*			21,776	
1300 ORNAMENTALS TURF	11	8.7	125,718	1,540,860	*			14,081	
1400 CORN	11	4.4	96,611	706,813	*			13,710	
1500 GRAIN SORGHUM	1	0.2	11,828	33,576	*			385	
1700 WHEAT	7	1.9	41,408	599,332	*			1,947	
1800 OTHER SMALL GRAINS	1	0.5	17,972	142,414	*			26	
1900 PASTURE	1	0.2	5,023	42,356	*			1,515	
2000 FORAGE CROPS	11	5.3	97,956	723,343	*			49,203	
2100 COTTON	2	0.2	3,728	34,828	*			1,187	
2300 SOYBEANS	19	7.4	197,979	1,535,579	*			47,751	
2400 PEANUTS	5	7.0	91,372	673,592	*			11,384	
2800 TOBACCO	5	3.4	30,449	725,965	*			745	
2700 SUGAR CROPS	1	0.3	17,303	77,913	*			14	
2800 MISC NEW CROPS	3	1.2	23,506	177,918	*			2,816	
2900 POULTRY	29	12.0	297,730	2,511,177	*			39,160	
3000 BEEF CATTLE	30	6.9	136,182	2,184,861	*			42,777	
3100 DAIRY CATTLE	24	6.7	142,980	1,894,236	*			17,045	
3200 SWINE	24	6.5	220,954	1,720,952	*			60,421	
3300 SHEEP AND WOOL	15	3.7	121,681	1,126,548	*			3,424	
3400 OTHER ANIMALS	9	1.9	46,382	336,614	*			28,017	
3600 FARM SUPP & FACILITS	3	0.3	9,564	49,144	*			9	
3700 CLOTHING & TEXTILES	2	0.0	33,184	115,458	*			185	
3800 FOOD	2	0.0	40,995	109,136	*			20	
3900 HOUSING & EQUIP	6	1.4	151,190	384,427	*			9,837	
4000 PEOPLE AS INDIVIDUALS	8	1.5	107,918	505,118	*			53	
4100 FAMILY MEMBERS	4	0.5	34,284	280,188	*			51	
4200 FARM AS BUSINESS	3	2.1	10,616	215,180	*			6,128	
4300 SOC POLIT ORGANIZ	3	2.1	67,549	178,174	*			5,333	
4400 AGRIC ECONOMY U S	2	0.8	14,700	121,943	*			12,286	
6100 WEEDS	6	0.5	22,508	113,587	*			2,897	
6300 BIO CELL SYSTEMS	4	2.1	79,370	548,907	*			103	
6500 INVERTEBRATES	8	4.2	146,551	661,680	*			97,226	
6600 MICROORGANISMS VIRUSES	18	13.2	254,706	2,813,452	*			135,169	
6700 PLANTS	11	1.6	97,924	355,613	*			9,448	
6800 ANIMALS(VERTEBRATES)	7	2.3	70,264	333,486	*			976	
6900 RESEARCH ON RSCH MGMT	3	1.7	53,106	234,240	*			36,124	
7000 RSCH EQUIP & TECHNOLOGY	4	1.0	21,594	143,856	*			19,321	
TOTAL		169.4	4,060,571	36,183,491	*			1,431,623	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	WASHINGTON	PULLMAN	SAES
				TOTAL FUNDS (GROSS) 1988	USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	24	6.8	179,841	1,155,980	*	97,900
0200 WATER	13	2.9	124,716	504,223	*	54,846
0300 WATERSHEDS RIVER BAS	4	0.5	18,840	90,801	*	16,842
0500 RECREATION RESOURCES	4	0.3	8,210	74,369	*	0
0600 TIMBER FORST PRODUCT	19	4.8	257,775	850,502	*	17,441
0700 RANGE	9	1.5	23,650	249,508	*	1,797
0800 WILDLIFE AND FISH	5	0.7	8,139	113,980	*	13,923
1000 FRUIT NUTS DECIDUOUS	62	21.6	991,861	5,283,425	*	79,347
1100 POTATOES	25	6.1	83,250	1,303,595	*	203,949
1200 VEGETABLES	41	9.2	331,479	2,322,020	*	62,364
1300 ORNAMENTALS TURF	9	2.3	42,216	469,319	*	16,892
1400 CORN	6	0.6	15,472	81,978	*	3,289
1600 RICE	1	0.5	972	190,248	*	26,500
1700 WHEAT	38	8.8	117,895	2,320,017	*	488,833
1800 OTHER SMALL GRAINS	13	2.1	54,924	521,056	*	11,371
1900 PASTURE	2	0.0	2,106	9,110	*	0
2000 FORAGE CROPS	20	3.3	238,592	869,107	*	85,329
2100 COTTON	1	0.1	6	7,976	*	0
2500 OTHER OILSEED CROPS	2	0.5	25,941	93,659	*	0
2600 TOBACCO	1	0.1	1,326	62,539	*	0
2800 MISC NEW CROPS	14	3.8	109,387	936,876	*	60,585
2900 POULTRY	6	3.0	89,941	663,848	*	2,497
3000 BEEF CATTLE	25	4.8	155,044	1,420,506	*	62,089
3100 DAIRY CATTLE	27	7.8	181,022	1,470,487	*	25,348
3200 SWINE	4	0.7	29,419	170,216	*	0
3300 SHEEP AND WOOL	6	0.6	11,018	130,569	*	18,991
3400 OTHER ANIMALS	6	1.1	9,688	173,557	*	18,991
3500 BEES AND HONEY	1	0.0	319	14,272	*	3,231
3700 CLOTHING & TEXTILES	2	0.5	1,584	40,142	*	0
3800 FOOD	7	2.1	48,713	238,228	*	13,793
3900 HOUSING & EQUIP	4	1.5	21,968	194,459	*	0
4000 PEOPLE AS INDIVIDUALS	8	1.5	18,712	197,589	*	0
4100 FAMILY MEMBERS	7	1.7	8,314	227,953	*	0
4200 FARM AS BUSINESS	2	0.8	19,383	142,637	*	42,219
4300 SOC POLIT ORGANIZ	6	2.2	9,566	300,380	*	0
4400 AGRIC ECONOMY U S	1	0.0	467	6,246	*	0
4600 FARM COOPERATIVES	1	0.2	0	15,092	*	0
4800 MARKETING SYSTEMS	1	0.4	739	49,386	*	15,517
6100 WEEDS	5	0.2	4,512	64,677	*	0
6200 SEED RESEARCH	5	0.9	15,973	156,727	*	2,474
6300 BIO CELL SYSTEMS	2	0.8	7,450	326,541	*	0
6400 EXP DESIGN/STAT METHOD	1	0.2	30	34,804	*	0
6500 INVERTEBRATES	4	1.2	9,000	201,751	*	0
6600 MICROORGANISMS VIRUSES	8	0.9	27,474	233,353	*	22,278
6700 PLANTS	9	5.8	51,811	1,777,316	*	124,486
6800 ANIMALS(VERTEBRATES)	2	0.6	16,004	73,204	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.2	0	45,972	*	0
TOTAL		116.7	3,374,736	25,879,762	*	1,572,863

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	WEST VIRGINIA MORGANTOWN		SAES WITH SAES AMOUNT 1988
				TOTAL FUNDS (GRDSS) 1988	USDA CON/GT/CA SYS 1988	
0100 SOIL AND LAND	9	3.5	220,870	489,729	*	0
0200 WATER	3	1.0	77,318	152,518	*	0
0300 WATERSHEDS RIVER BAS	1	0.0	5,545	6,430	*	0
0500 RECREATION RESOURCES	3	2.4	22,866	218,344	*	0
0600 TIMBER FORST PRDUCT	17	7.1	510,256	1,161,204	*	155,617
0800 WILDLIFE AND FISH	3	1.6	85,288	233,614	*	0
1000 FRUIT NUTS DECIDUOUS	14	6.6	390,819	772,281	*	0
1100 POTATDES	4	1.0	81,997	114,881	*	0
1200 VEGETABLES	4	1.4	31,642	130,513	*	0
1300 ORNAMENTALS TURF	4	1.1	27,563	109,285	*	0
1400 CORN	2	0.2	13,061	28,848	*	0
1700 WHEAT	1	0.0	0	5,344	*	0
1800 OTHER SMALL GRAINS	1	0.0	0	5,344	*	0
1900 PASTURE	5	1.8	214,638	365,682	*	12,644
2000 FORAGE CROPS	10	2.5	128,316	287,486	*	7,609
2900 POULTRY	7	1.9	128,624	353,877	*	65
3000 BEEF CATTLE	9	3.0	249,158	711,775	*	31,650
3100 DAIRY CATTLE	6	1.5	219,079	532,141	*	68
3200 SWINE	2	0.1	5,922	66,188	*	23,123
3300 SHEEP AND WOOL	6	1.1	84,245	260,841	*	2,471
3400 OTHER ANIMALS	1	0.1	10,834	21,728	*	0
3800 FOOD	1	0.0	1,631	2,192	*	0
3900 HOUSING & EQUIP	1	0.0	181	309	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.4	10,201	27,307	*	0
4100 FAMILY MEMBERS	1	0.1	6,069	7,829	*	0
4300 SOC POLIT ORGANIZ	2	1.3	48,621	108,891	*	0
6500 INVERTEBRATES	1	0.0	2,785	3,568	*	0
6700 PLANTS	5	0.8	22,722	64,890	*	187
6800 ANIMALS(VERTEBRATES)	3	0.2	10,201	21,289	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.7	25,851	48,358	*	0
TOTAL		41.6	2,632,443	6,312,466	*	233,434

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	WISCONSIN MADISON		SAES WITH SAES AMOUNT 1988
				TOTAL FUNDS (GRDSS) 1988	USDA CON/GT/CA SYS 1988	
0100 SOIL AND LAND	46	7.6	279,810	1,846,497	*	17,881
0200 WATER	11	3.2	39,688	553,976	*	0
0300 WATERSHEDS RIVER BAS	2	0.3	1,610	86,629	*	0
0400 AIR AND CLIMATE	1	0.1	1,612	13,166	*	0
0600 RECREATION RESOURCES	3	1.3	33,912	208,915	*	0
0800 TIMBER FORST PRDUCT	43	10.8	470,771	2,098,326	*	226,911
0700 RANGE	2	0.6	31,418	94,160	*	0
0800 WILDLIFE AND FISH	17	3.6	81,374	1,087,106	*	39,515
1000 FRUIT NUTS DECIDUOUS	12	3.2	80,622	697,674	*	864
1100 POTATOES	29	6.3	339,179	1,797,139	*	373,266
1200 VEGETABLES	30	7.2	228,086	1,768,468	*	29,490
1300 ORNAMENTALS TURF	5	0.8	18,139	193,092	*	0
1400 CORN	24	6.0	133,751	1,008,625	*	0
1700 WHEAT	4	0.4	10,817	122,540	*	0
1800 OTHER SMALL GRAINS	10	1.7	47,401	682,581	*	0
2000 FORAGE CROPS	25	5.9	171,177	1,281,371	*	364
2300 SOYBEANS	14	2.9	110,898	607,466	*	31,081
2600 OTHER OILSEED CROPS	1	0.1	11,229	47,612	*	0
2600 TOBACCO	1	0.1	0	17,729	*	0
2800 MISC NEW CROPS	3	0.3	4,870	112,904	*	0
2900 POULTRY	16	3.8	177,600	1,004,110	*	98,352
3000 BEEF CATTLE	26	4.8	220,269	1,373,275	*	199,209
3100 DAIRY CATTLE	70	18.1	661,231	5,869,198	*	392,673
3200 SWINE	21	5.2	220,339	1,394,660	*	268,683
3300 SHEEP AND WOOL	11	1.7	58,191	533,956	*	127,078
3400 OTHER ANIMALS	6	1.3	29,679	777,270	*	0
3600 FARM SUPP & FACILITS	1	0.3	0	87,509	*	0
3700 CLOTHING & TEXTILES	1	0.2	16,116	25,120	*	0
3800 FOOD	27	8.9	222,913	3,193,412	*	0
3900 HOUSING & EQUIP	2	0.4	15,105	89,929	*	0
4000 PEOPLE AS INDIVIDUALS	22	8.7	166,708	1,832,077	*	125
4100 FAMILY MEMBERS	7	1.4	62,917	192,342	*	26,474
4200 FARM AS BUSINESS	6	2.2	81,475	321,403	*	0
4300 SOC POLIT ORGANIZ	16	5.8	121,375	3,343,242	*	180,279
4400 AGRIC ECONOMY U S	5	1.4	16,788	211,816	*	73,731
4600 AGRIC ECONOMY FORGN	1	0.4	0	37,767	*	0
4800 FARM COOPERATIVES	3	0.5	31,324	189,459	*	0
4800 MARKETING SYSTEMS	4	0.3	11,281	62,479	*	17,875
6100 WEEDS	4	1.0	48,349	346,028	*	0
6200 SEED RESEARCH	1	0.4	8,228	96,003	*	63,279
6300 BID CELL SYSTEMS	27	9.1	46,520	4,386,815	*	16,853
6400 EXP DESIGN/STAT METHOD	5	1.7	62,863	819,919	*	0
6500 INVERTEBRATES	20	6.0	108,302	1,040,326	*	98,182
6600 MICROORGANISMS VIRUSES	36	12.1	134,712	3,528,240	*	366,999
6700 PLANTS	33	8.3	171,348	2,060,165	*	523,653
6800 ANIMALS(VERTEBRATES)	22	4.4	106,346	1,967,172	*	236,769
6900 RESEARCH ON RSCH MGMT	1	0.3	9,645	31,429	*	0
7000 RSCH EQUIP & TECHNOLOGY	6	2.3	33,854	1,443,386	*	10,067
TOTAL		168.9	4,794,930	50,226,448	*	3,397,543

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	WYOMING	LARAMIE	SAES
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	4	1.8	23,279	171,431	*	0
0200 WATER	7	2.2	66,183	214,425	*	0
0300 WATERSHEDS RIVER BAS	3	0.3	12,185	38,400	*	9,108
0400 AIR AND CLIMATE	1	0.1	1,144	8,849	*	0
0600 TIMBER FORST PRODUCT	3	0.8	43,722	234,066	*	50,749
0700 RANGE	13	5.6	135,617	749,526	*	27,690
0800 WILDLIFE AND FISH	3	0.5	12,508	34,815	*	0
1200 VEGETABLES	6	1.2	25,268	218,591	*	0
1400 CORN	4	0.3	1,400	52,624	*	0
1700 WHEAT	4	0.9	16,859	120,713	*	0
1800 OTHER SMALL GRAINS	5	0.7	13,968	105,049	*	0
1900 PASTURE	2	0.3	15,836	56,385	*	0
2000 FORAGE CROPS	16	4.9	158,962	521,395	*	16,685
2300 SOYBEANS	1	0.6	13,445	141,153	*	0
2500 OTHER OILSEED CROPS	2	0.3	0	71,717	*	0
2700 SUGAR CROPS	4	0.7	0	131,561	*	0
3000 BEEF CATTLE	20	12.2	548,219	1,765,384	*	0
3100 DAIRY CATTLE	5	1.6	44,070	159,521	*	0
3200 SWINE	1	0.1	2,840	5,803	*	0
3300 SHEEP AND WOOL	11	4.7	189,838	522,950	*	0
3400 OTHER ANIMALS	3	0.9	9,840	50,342	*	0
3800 FOOD	1	0.2	3,877	11,554	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.4	9,614	27,723	*	0
4100 FAMILY MEMBERS	1	1.0	10,298	159,933	*	0
4200 FARM AS BUSINESS	1	0.4	32,012	52,757	*	0
4300 SOC POLIT ORGANIZ	4	1.2	25,154	75,510	*	0
4400 AGRIC ECONOMY U S	2	0.9	4,850	50,598	*	0
6200 SEED RESEARCH	1	0.6	8,416	49,905	*	0
6300 BID CELL SYSTEMS	2	0.6	3,800	55,581	*	0
6600 MICROORGANISMS VIRUSES	3	0.6	32,085	112,832	*	30,367
6700 PLANTS	3	0.7	23,279	91,569	*	3,265
6800 ANIMALS(VERTEBRATES)	2	0.2	14,126	54,740	*	1,088
6900 RESEARCH ON RSCH MGMT	1	0.4	18,178	39,157	*	0
TOTAL		48.2	1,501,873	6,159,558	*	138,952
GRAND TOTAL		6824.0	163,789,167	1,374,226,108	*	79,790,543

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

NATIONAL TOTAL FORESTRY SCHOOLS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/CT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	48	10.2	171,236	1,720,719	*	128,003
0200 WATER	25	7.1	39,998	1,510,576	*	16,440
0300 WATERSHEDS RIVER BAS	26	5.3	56,563	1,193,441	*	42,518
0400 AIR AND CLIMATE	11	3.7	21,136	1,073,952	*	59,944
0500 RECREATION RESOURCES	34	8.4	154,311	874,262	*	66,321
0600 TIMBER FORST PRODUCT	415	188.6	2,474,331	30,166,973	*	3,469,865
0700 RANGE	12	5.1	38,951	507,039	*	14,380
0800 WILDLIFE AND FISH	86	15.4	271,670	2,500,974	*	234,504
1000 FRUIT NUTS DECIDUOUS	2	0.3	2,899	18,122	*	0
1300 ORNAMENTALS TURF	1	0.2	0	20,083	*	0
2000 FORAGE CROPS	1	0.0	0	3,214	*	3,214
2800 MISC NEW CROPS	1	0.4	0	16,460	*	0
4000 PEOPLE AS INDIVIDUALS	5	0.7	44,711	139,774	*	5,331
4300 SOC POLIT ORGANIZ	5	1.8	110,197	259,654	*	0
6100 WEEDS	1	0.2	0	55,322	*	55,322
6300 BIO CELL SYSTEMS	3	1.7	0	196,386	*	0
6400 EXP DESIGN/STAT METHDD	2	0.3	29,452	128,167	*	3,182
6500 INVERTEBRATES	3	0.4	8,976	84,079	*	0
6600 MICROORGANISMS VIRUSES	13	1.8	11,549	354,604	*	39,395
6700 PLANTS	8	3.3	0	399,967	*	73,762
6800 ANIMALS(VERTEBRATES)	2	1.0	0	126,883	*	0
6900 RESEARCH ON RSCH MGMT	2	1.4	139,661	181,261	*	0
7000 RSCH EQUIP & TECHNOLOGY	14	3.5	21,211	611,011	*	25,978
TOTAL		258.8	3,596,851	42,144,942	*	4,238,161

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

NATIONAL TOTAL FORESTRY SCHOOLS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAEs AMOUNT 1988
SERIES 100						
101 APPRAIS OF SOIL RESOR	13	2.1	55,828	280,282	*	39,980
102 SOIL PLNT WTR NUTRI	39	9.2	128,815	2,007,808	*	165,123
103 MGMT OF SALINE SOILS	1	0.3	18,017	46,508	*	0
104 ALTERN USE OF LAND	5	0.1	7,745	18,679	*	0
105 CONSERV USE OF WATER	2	0.2	517	26,514	*	0
107 WATERSHED PROT & MGMT	19	4.9	104,831	672,532	*	81,573
108 ECON LEG PROB OF WAT	2	0.1	0	155,263	*	0
109 WEATHER ADAPT & MOO	9	2.7	57,797	309,400	*	0
110 APPRAIS FORST & RANGS	37	16.6	211,872	1,302,036	*	73,072
111 BIOL CULT MGMT FORSTS	123	67.9	575,187	9,702,825	*	972,704
112 IMPROV RANGE RESOR	9	4.8	38,951	472,212	*	6,844
113 REMOTE SENSING	14	6.8	73,022	578,891	*	81,511
114 RSCH ON MGMT OF RSCH	2	1.4	139,861	181,261	*	0
SUBTOTAL		117.1	1,412,044	15,753,811	*	1,420,807
SERIES 200						
201 CNTRL FORST INSECTS	25	4.1	104,876	854,418	*	152,218
202 CNTRL FOREST DIS	33	7.0	190,295	1,006,316	*	149,678
203 FOREST FIRE PROTECT	8	1.7	10,404	178,531	*	62,894
209 CNTR WEEDS FLD CROPS	3	0.3	0	85,230	*	56,371
214 PROTECT FROM POLLUTION	18	6.4	67,345	1,885,817	*	415,245
SUBTOTAL		19.4	372,920	3,770,312	*	836,206
SERIES 300						
301 GENET BREED FORST TRE	28	12.5	331,872	3,242,268	*	141,145
302 IMP FOREST ENG SYS	17	7.1	81,171	1,328,080	*	190,908
303 ECON TIMBER PRODUCTN	16	5.6	79,193	774,781	*	130,081
304 IMP BIO EFF FRT & VEGS	1	0.2	0	9,899	*	0
307 IMP BIO EFF FLD CRP	1	0.4	0	16,480	*	0
318 NON COM BIO TECH/BIMET	14	6.7	49,151	964,024	*	100,030
SUBTOTAL		32.6	541,388	6,335,492	*	562,165
SERIES 400						
401 NEW IMP FOREST PROD	78	41.3	394,490	6,759,747	*	701,839
411 IMP NON FOOD ANML PR	1	0.5	26,197	26,197	*	0
SUBTOTAL		41.8	420,687	6,785,944	*	701,839
SERIES 500						
502 MKTG TIMBER PRODUCTS	8	3.7	106,453	441,706	*	165,995
512 IMP GRADES FRST PROD	3	0.3	5,261	104,428	*	52,731
513 PRICE ANAL FRST PROD	5	1.0	46,510	66,518	*	8,542
SUBTOTAL		5.0	158,224	612,653	*	227,268
SERIES 600						
601 FGN MKT DEVELP	3	1.2	0	814,995	*	76,005
603 TECH AID DEV CRTV	2	0.3	0	83,639	*	0
SUBTOTAL		1.4	0	898,634	*	76,005
SERIES 700						
702 FOOD PROT FROM TOX	1	0.0	0	2,146	*	0
707 TRANS ANML MAN DIS	1	0.0	0	24,762	*	0
708 HUMAN NUTRITION	1	0.0	3,373	5,201	*	1,239
SUBTOTAL		0.1	3,373	32,108	*	1,239
SERIES 800						
804 ECON POTENT RURL PED	1	0.4	24,086	55,386	*	0
805 COMMUNICAT EDUC PROC	3	1.1	89,421	200,131	*	5,331
806 ADJUSTMENT TO CHANGE	1	0.0	0	1,777	*	0
SUBTOTAL		1.5	113,507	257,294	*	5,331
SERIES 900						
901 ALLEV POLLUTION	28	14.6	18,066	3,852,287	*	85,174
902 OUTDOOR RECREATION	28	5.2	137,356	823,010	*	69,060
903 MULTI USE FOREST POTEN	20	2.9	131,532	456,974	*	14,360
904 WLOLFE AND FISH ECOL	81	14.7	245,949	2,411,500	*	228,214
905 TREES BEAUTIFICATION	4	0.5	405	62,673	*	30,492
906 ORNAMENT & TURF DEV	1	0.2	0	20,083	*	0
907 RURAL INCOME IMP	2	0.6	28,233	57,073	*	0
908 RURAL INSTITUT IMP	1	0.1	13,168	15,094	*	0
SUBTOTAL		39.8	574,709	7,698,694	*	407,300
SCIENCE IN SERV OF MAN						
GRAND TOTAL		258.8	3,596,851	42,144,942	*	4,238,161

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	FORESTRY SCH	ANN ARBOR	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	2	0.1	10,969	41,285	*	0
0400 AIR AND CLIMATE	1	0.1	0	24,404	*	0
0500 RECREATION RESOURCES	3	0.3	6,134	33,787	*	0
0600 TIMBER FORST PRODUCT	23	4.6	130,891	1,251,764	*	425,469
0800 WILDLIFE AND FISH	3	0.1	8,926	18,893	*	0
1300 ORNAMENTALS TURF	1	0.2	0	20,083	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.0	0	1,777	*	0
TOTAL		5.4	156,920	1,392,993	*	425,469

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	FORESTRY SCH	ARCATA	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0200 WATER	3	0.1	9,123	19,395	*	0
0300 WATERSHEDS RIVER BAS	2	0.0	3,278	7,344	*	0
0600 TIMBER FORST PRODUCT	5	0.3	33,866	97,264	*	0
0800 WILDLIFE AND FISH	5	0.2	24,535	51,682	*	0
TOTAL		0.7	70,803	175,685	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	FORESTRY SCH	BURLINGTON	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	2	0.0	11,435	15,071	*	288
0300 WATERSHEDS RIVER BAS	1	0.0	5,421	7,300	*	0
0500 RECREATION RESOURCES	1	0.5	0	49,848	*	0
0600 TIMBER FORST PRODUCT	10	1.9	86,984	465,966	*	152,431
0800 WILDLIFE AND FISH	2	0.2	36,158	48,344	*	8,261
6400 EXP DESIGN/STAT METHOD	1	0.1	29,452	37,365	*	1,877
6600 MICROORGANISMS VIRUSES	2	0.4	2,189	77,871	*	23,646
6900 RESEARCH ON RSCH MGMT	1	0.8	101,642	101,642	*	0
TOTAL		4.0	273,281	803,407	*	186,483

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	FORESTRY SCH	CARBONDALE	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	2	0.3	0	36,786	*	0
0300 WATERSHEDS RIVER BAS	1	0.0	517	3,848	*	0
0400 AIR AND CLIMATE	1	0.1	21,136	21,806	*	0
0500 RECREATION RESOURCES	1	0.3	16,876	35,844	*	0
0600 TIMBER FORST PRODUCT	11	4.6	81,444	530,632	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.1	2,899	8,223	*	0
TOTAL		5.5	122,872	637,138	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1988	FDRESTRY SCH	CLEMSON	F S
				TOTAL FUNDS (GRDSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	3	0.5	22,164	72,796	*	6,273
0200 WATER	1	0.2	0	27,995	*	0
0300 WATERSHEDS RIVER BAS	2	0.3	0	38,356	*	0
0500 RECREATION RESOURCES	1	0.1	0	15,691	*	0
0600 TIMBER FORST PRDDUCT	30	8.7	338,390	1,183,571	*	6,273
0700 RANGE	1	0.1	0	6,846	*	0
0800 WILDLIFE AND FISH	5	1.1	0	138,146	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.4	44,711	52,579	*	0
4300 SOC PDLIT ORGANIZ	1	0.4	44,711	52,579	*	0
TOTAL		11.8	449,975	1,588,358	*	12,545

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1988	FDRESTRY SCH	CDRVALLIS	F S
				TOTAL FUNDS (GRDSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	8	1.7	11,920	220,575	*	85,234
0200 WATER	4	2.5	0	381,039	*	16,370
0300 WATERSHEDS RIVER BAS	5	1.4	27,110	243,715	*	22,002
0400 AIR AND CLIMATE	1	0.6	0	44,011	*	44,011
0500 RECREATION RESOURCES	9	2.0	6,847	209,817	*	22,130
0600 TIMBER FORST PRDDUCT	67	41.2	543,132	6,479,119	*	1,504,266
0800 WILDLIFE AND FISH	4	2.7	0	313,745	*	12,040
2000 FORAGE CRDPS	1	0.0	0	3,214	*	3,214
4000 PEOPLE AS INDIVIDUALS	1	0.2	0	10,890	*	0
4300 SOC PDLIT ORGANIZ	1	0.1	13,168	15,084	*	0
6100 WEEDS	1	0.2	0	55,322	*	55,322
6600 MICROORGANISMS VIRUSES	2	0.4	0	47,827	*	14,444
7000 RSCH EQUIP & TECHNOLOGY	4	0.4	465	36,369	*	20,758
TOTAL		53.4	602,642	8,080,736	*	1,799,792

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1988	FDRESTRY SCH	FLAGSTAFF	F S
				TOTAL FUNDS (GRDSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0300 WATERSHEDS RIVER BAS	1	0.1	0	21,810	*	0
0500 RECREATION RESOURCES	4	0.2	17,141	50,255	*	1,312
0600 TIMBER FORST PRDDUCT	17	6.3	97,049	620,284	*	176,100
0800 WILDLIFE AND FISH	2	0.0	0	22,957	*	2,548
TOTAL		6.6	114,190	715,306	*	179,960

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1988	FDRESTRY SCH	HOUGHTON	F S
				TOTAL FUNDS (GRDSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	2	0.8	0	101,654	*	0
0400 AIR AND CLIMATE	1	0.1	0	207,086	*	0
0600 TIMBER FORST PRDDUCT	25	8.6	159,807	1,762,092	*	84,326
0800 WILDLIFE AND FISH	1	0.2	0	97,473	*	0
TOTAL		9.7	159,807	2,168,305	*	84,326

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	FORESTRY SCH	MISSOULA	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	1	0.3	13,464	13,464	*	0
0200 WATER	1	0.9	0	78,697	*	70
0300 WATERSHEDS RIVER BAS	4	0.3	7,905	48,383	*	0
0500 RECREATION RESOURCES	5	0.5	0	59,190	*	25,435
0600 TIMBER FORST PRODUCT	37	11.1	221,685	984,355	*	134,092
0700 RANGE	5	3.1	23,187	277,319	*	211
0800 WILDLIFE AND FISH	9	0.7	62,323	160,092	*	95,882
1000 FRUIT NUTS DECIDUOUS	1	0.2	0	9,899	*	0
TOTAL		17.2	328,545	1,631,400	*	255,491

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	FORESTRY SCH	MOSCOW	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	1	0.5	27,817	70,567	*	0
0200 WATER	4	0.5	24,749	87,036	*	0
0500 RECREATION RESOURCES	3	1.6	107,313	327,495	*	0
0600 TIMBER FORST PRODUCT	24	11.5	61,284	1,912,991	*	20,770
0700 RANGE	5	1.8	15,764	216,196	*	7,682
0800 WILDLIFE AND FISH	30	5.5	46,547	999,619	*	103,505
4300 SOC POLIT ORGANIZ	2	0.8	52,319	101,569	*	0
6900 RESEARCH ON RSCH MGMT	1	0.5	38,019	79,619	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	1,046	17,646	*	0
TOTAL		22.8	374,857	3,812,738	*	131,957

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	FORESTRY SCH	NACOGDOCHES	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	1	0.1	5,946	15,348	*	0
0200 WATER	1	0.1	6,126	15,813	*	0
0300 WATERSHEDS RIVER BAS	1	0.3	12,333	42,947	*	0
0600 TIMBER FORST PRODUCT	14	2.7	171,816	518,407	*	17,180
0800 WILDLIFE AND FISH	4	0.5	35,940	114,568	*	12,469
TOTAL		3.7	232,161	707,082	*	29,648

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	FORESTRY SCH	RUSTON	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	2	0.3	16,518	40,559	*	0
0800 TIMBER FORST PRODUCT	9	2.4	127,801	315,753	*	0
TOTAL		2.7	144,319	356,311	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	FORESTRY SCH	S L DBISPO	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0600 TIMBER FORST PRODUCT	1	33.0	26,388	1,245,460	*	37,043
TOTAL		33.0	26,388	1,245,460	*	37,043

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	FORESTRY SCH	SEATTLE	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	15	2.1	50,548	285,567	*	36,228
0200 WATER	2	0.4	0	76,450	*	0
0300 WATERSHEDS RIVER BAS	2	0.2	0	21,756	*	20,516
0400 AIR AND CLIMATE	4	1.3	0	139,275	*	15,933
0500 RECREATION RESOURCES	5	0.7	0	68,288	*	16,205
0600 TIMBER FORST PRODUCT	59	14.1	144,306	4,276,448	*	662,268
0700 RANGE	1	0.1	0	6,878	*	6,486
0800 WILDLIFE AND FISH	7	3.1	57,240	255,444	*	0
6600 MICROORGANISMS VIRUSES	1	0.0	0	58,582	*	0
6700 PLANTS	4	1.0	0	115,213	*	31,904
7000 RSCH EQUIP & TECHNOLOGY	2	0.7	19,700	51,929	*	0
TOTAL		23.8	271,794	5,355,829	*	789,541

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	FORESTRY SCH	SYRACUSE	F S
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	9	3.5	455	807,048	*	0
0200 WATER	9	2.3	0	824,151	*	0
0300 WATERSHEDS RIVER BAS	7	2.5	0	757,983	*	0
0400 AIR AND CLIMATE	3	1.5	0	637,370	*	0
0500 RECREATION RESOURCES	2	0.2	0	24,069	*	1,239
0600 TIMBER FORST PRODUCT	83	37.6	249,507	8,522,868	*	269,647
0800 WILDLIFE AND FISH	14	0.9	0	279,008	*	0
2800 MISC NEW CROPS	1	0.4	0	16,480	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.1	0	74,528	*	5,331
4300 SOC POLIT ORGANIZ	1	0.5	0	90,412	*	0
6300 BIO CELL SYSTEMS	3	1.7	0	196,386	*	0
6400 EXP DESIGN/STAT METHOD	1	0.2	0	90,802	*	1,305
6500 INVERTEBRATES	3	0.4	8,976	84,079	*	0
6600 MICROORGANISMS VIRUSES	8	0.9	9,360	170,325	*	1,305
6700 PLANTS	4	2.2	0	284,754	*	41,858
6800 ANIMALS(VERTEBRATES)	2	1.0	0	128,883	*	0
7000 RSCH EQUIP & TECHNOLOGY	7	2.3	0	505,067	*	5,220
TOTAL		58.5	288,297	13,494,194	*	325,906
GRAND TOTAL		258.8	3,596,851	42,144,942	*	4,238,161

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	9	3.9	468,567	475,250	*	0
0200 WATER	2	0.6	187,423	187,629	*	0
0300 WATERSHEDS RIVER BAS	2	2.0	180,088	180,088	*	0
0400 AIR AND CLIMATE	2	0.6	106,040	106,040	*	0
0600 TIMBER FORST PRODUCT	3	1.1	239,193	258,846	*	0
0700 RANGE	1	0.6	121,633	121,633	*	0
0800 WILDLIFE AND FISH	15	11.2	1,425,447	1,557,868	*	0
0900 CITRUS SUB TROP FRUIT	2	0.7	88,233	88,233	*	0
1000 FRUIT NUTS DECIOUOUS	5	2.1	272,867	278,356	*	0
1100 POTATOES	1	0.3	48,176	48,641	*	0
1200 VEGETABLES	30	27.0	3,150,108	3,172,757	*	0
1300 ORNAMENTALS TURF	2	1.9	176,378	176,378	*	0
1400 CORN	3	0.8	311,920	312,621	*	0
1500 GRAIN SORGHUM	3	0.7	46,346	71,341	*	22,825
1700 WHEAT	4	0.7	104,118	105,284	*	0
1800 OTHER SMALL GRAINS	2	0.4	87,088	98,674	*	0
1900 PASTURE	1	0.4	68,493	68,493	*	0
2000 FORAGE CROPS	11	3.5	462,135	518,956	*	22,825
2300 SOYBEANS	21	18.4	1,854,565	1,992,831	*	0
2400 PEANUTS	3	2.5	102,871	322,290	*	0
2500 OTHER OILSEED CROPS	2	1.0	102,421	103,041	*	0
2700 SUGAR CROPS	1	0.1	15,966	18,729	*	0
2800 MISC NEW CROPS	2	0.9	76,328	76,328	*	0
2900 POULTRY	8	4.1	768,458	860,053	*	12,796
3000 BEEF CATTLE	10	3.1	781,448	857,129	*	0
3100 DAIRY CATTLE	7	2.6	723,874	730,872	*	0
3200 SWINE	7	5.4	875,159	963,095	*	0
3300 SHEEP AND WOOL	1	0.6	122,402	131,437	*	0
3400 OTHER ANIMALS	14	19.5	2,373,888	2,508,828	*	126,800
3700 CLOTHING & TEXTILES	12	3.6	376,259	376,259	*	0
3800 FOOD	15	6.8	721,771	722,260	*	0
3900 HOUSING & EQUIP	8	2.0	248,463	248,463	*	0
4000 PEOPLE AS INDIVIDUALS	30	16.5	1,935,841	1,944,518	*	0
4100 FAMILY MEMBERS	14	6.7	710,068	710,187	*	0
4200 FARM AS BUSINESS	7	2.8	366,729	372,324	*	0
4300 SOC POLIT ORGANIZ	18	8.5	1,088,531	1,080,786	*	0
4400 AGRIC ECONOMY U S	2	0.0	20,706	23,190	*	0
4700 DTH MARKET PROCESS	2	0.1	73,819	73,819	*	0
4800 MARKETING SYSTEMS	5	1.6	283,063	294,035	*	0
6100 WEEDS	1	0.1	34,657	34,657	*	0
6300 BIO CELL SYSTEMS	2	0.8	145,883	149,500	*	0
6400 EXP DESIGN/STAT METHOD	1	0.3	55,343	55,343	*	0
6500 INVERTEBRATES	2	1.1	83,085	83,085	*	0
6700 PLANTS	1	0.1	17,803	17,803	*	0
6800 ANIMALS(VERTEBRATES)	5	3.0	351,319	352,319	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.4	59,676	59,676	*	0
TOTAL		169.0	21,905,764	22,982,168	*	185,246

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

NATIONAL TOTAL 1980/TUSKEGEE INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRO (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 100						
102 SOIL PLNT WTR NUTRI	11	6.1	830,013	831,538	*	0
104 ALTERN USE OF LAND	2	0.3	39,728	39,728	*	0
105 CONSERV USE OF WATER	3	3.5	283,504	283,504	*	0
109 WEATHER ADAPT & MOD	1	0.2	22,228	22,228	*	0
110 APPRAIS FORST & RANGS	1	0.4	91,225	91,225	*	0
111 BIOL CULT MGMT FORSTS	1	0.5	58,059	58,059	*	0
112 IMPROV RANGE RESOR	1	0.1	30,408	30,408	*	0
113 REMOTE SENSING	1	0.9	72,574	72,574	*	0
SUBTOTAL		12.1	1,427,739	1,441,216	*	0
SERIES 200						
204 CNTR PESTS FRT & VEGS	2	1.2	123,108	123,108	*	0
205 CNTR DISE FRT & VEG	4	0.6	56,418	56,418	*	0
206 CNTR WEEDS FRT & VEG	3	0.4	87,280	87,280	*	0
207 CNTR PESTS FLD CRDPS	6	6.3	806,515	806,515	*	0
208 CNTR DIS FLD CRDPS	1	0.9	88,558	88,558	*	0
211 CNTR DIS ANIMALS	3	1.5	389,183	389,183	*	0
213 PRDT ANMLS FROM TDXINS	2	0.3	34,838	34,838	*	0
214 PROTECT FRDM POLLUTION	1	0.7	104,434	104,434	*	0
SUBTOTAL		12.0	1,470,325	1,504,587	*	0
SERIES 300						
301 GENET BREED FORST TRE	1	0.4	125,181	125,181	*	0
304 IMP BIO EFF FRT & VEGS	24	19.8	2,209,787	2,230,052	*	0
306 PROD MGMT SYS F & V	2	0.8	111,982	111,982	*	0
307 IMP BIO EFF FLD CRP	21	10.8	1,639,180	1,694,859	*	0
309 PROD MGMT SYS FLD CRP	3	1.9	176,804	224,115	*	45,850
310 ANIMAL REPRODUCTION	12	8.2	1,087,035	1,247,247	*	87,288
311 IMP BIO EFF ANML PR	25	17.0	3,214,346	3,367,525	*	58,070
312 ENV STRESS IN ANML PR	4	1.8	233,587	233,587	*	0
313 PROD MGMT SYS ANML PR	1	0.0	7,530	43,813	*	5,118
316 FARM BUSINESS MGMT	8	2.3	296,416	296,729	*	0
318 NON COM BIO TECH/BIMET	2	0.8	145,883	149,500	*	0
SUBTOTAL		83.7	9,127,282	9,724,850	*	176,107
SERIES 400						
402 PROD F & V IMP ACCEPT	3	2.4	250,886	250,886	*	0
403 NEW & IMP F & V PROD	4	1.1	147,474	154,819	*	0
404 MKT QUAL FRTS & VEGS	1	0.8	78,583	78,583	*	0
406 NEW IMP FOOD FLD CRP	4	1.5	159,736	184,277	*	0
407 NEW IMP NON FOOD FC	1	0.0	6,075	6,075	*	0
408 MKT QUAL FLD CRDPS	3	0.5	212,597	222,324	*	0
409 PROD ANML PR IMP ACCP	3	0.9	51,045	54,700	*	3,655
410 IMP MEAT MILK EGG PR	4	2.4	254,848	257,589	*	2,742
411 IMP NON FOOD ANML PR	2	0.5	16,059	18,955	*	2,742
SUBTOTAL		10.1	1,177,282	1,228,188	*	9,139
SERIES 500						
506 SPLY DEMAND AND PRIC	4	1.0	122,789	122,789	*	0
507 COMP REL IN AGRIC	1	0.3	32,624	32,624	*	0
508 DOMESTIC MKT DEVELP	4	1.0	189,940	189,940	*	0
509 PERFORMANCE MKTG SYS	5	1.8	275,412	276,384	*	0
511 IMP AGRIC STATISTICS	1	0.3	65,343	65,343	*	0
SUBTOTAL		4.4	866,087	867,059	*	0
SERIES 600						
603 TECH AID DEV CRTY	2	1.2	0	163,200	*	0
SUBTOTAL		1.2	0	163,200	*	0
SERIES 700						
702 FOOD PROT FROM TDX	4	0.9	175,044	188,727	*	0
703 FOOD CONSUMP HABITS	17	5.4	732,296	751,003	*	0
704 HOME COMM FOOD SERV	1	0.2	59,433	59,433	*	0
705 SEL CARE CLDTH & TEXTL	11	3.6	370,184	370,184	*	0
707 TRANS ANIML MAN DIS	1	0.3	48,479	48,479	*	0
708 HUMAN NUTRITIDN	18	8.9	1,039,190	1,048,024	*	0
SUBTOTAL		19.4	2,424,626	2,485,850	*	0
SERIES 800						
801 RURAL HOUSING	13	3.2	392,723	392,822	*	0
802 INDIV & FAM DEC MAKING	14	5.7	523,284	525,182	*	0
803 RURAL PDVERTY	3	0.6	86,755	86,755	*	0
804 ECON POTENT RURL PED	13	6.3	774,978	781,777	*	0
805 COMMUNICAT EDUC PROC	9	4.4	530,233	534,931	*	0
806 ADJUSTMENT TO CHANGE	10	4.8	594,071	594,150	*	0
807 AGRIC ECONOMIC CHANGE	5	1.7	291,239	303,974	*	0
SUBTOTAL		28.7	3,173,283	3,199,591	*	0
SERIES 900						
901 ALLEY POLLUTION	4	1.2	336,767	338,787	*	0
904 WLOFE AND FISH ECOL	16	12.2	1,480,880	1,813,281	*	0
905 TREES BEAUTIFICATION	1	0.2	55,973	70,739	*	0
908 ORNAMENT & TURF DEV	2	1.9	178,379	178,379	*	0
908 RURAL INSTITUT IMP	6	3.9	399,151	400,850	*	0
SUBTOTAL		19.4	2,449,140	2,597,846	*	0
SCIENCE IN SERV OF MAN						
GRAND TOTAL		189.0	21,905,764	22,982,188	*	185,246

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	AG TECH NC. GREENSBORO		1990
					USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	1	0.5	87,341	87,959	*		0
0200 WATER	1	0.2	29,114	29,320	*		0
1100 POTATOES	1	0.3	48,178	48,841	*		0
1200 VEGETABLES	1	0.6	141,754	142,756	*		0
1400 CORN	1	0.3	59,784	60,485	*		0
2000 FORAGE CROPS	1	0.3	85,131	85,733	*		0
2300 SOYBEANS	3	1.2	253,568	255,732	*		0
2900 POULTRY	1	0.6	125,645	126,533	*		0
3000 BEEF CATTLE	1	0.5	218,054	224,722	*		0
3100 DAIRY CATTLE	1	0.1	16,059	16,214	*		0
3200 SWINE	1	0.9	228,907	258,463	*		0
3800 FOOD	1	0.8	69,131	69,620	*		0
4000 PEOPLE AS INDIVIDUALS	5	2.9	368,799	372,432	*		0
4100 FAMILY MEMBERS	1	0.1	16,816	16,935	*		0
4200 FARM AS BUSINESS	1	0.9	88,373	88,998	*		0
4300 SOC POLIT ORGANIZ	1	0.1	11,211	11,290	*		0
4800 MARKETING SYSTEMS	2	0.8	137,443	138,415	*		0
6800 ANIMALS(VERTEBRATES)	1	0.3	33,871	34,871	*		0
TOTAL		11.3	2,019,174	2,089,116	*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	ALA A&M NORMAL		1990
					USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	1	0.9	72,574	78,639	*		0
0800 TIMBER FORST PRODUCT	1	0.5	58,059	63,946	*		0
1000 FRUIT NUTS DECIDUOUS	1	0.6	59,967	65,456	*		0
1200 VEGETABLES	2	0.4	69,674	76,554	*		0
1500 GRAIN SORGHUM	2	0.3	15,494	40,490	*		22,825
1700 WHEAT	1	0.0	11,612	12,779	*		0
1800 OTHER SMALL GRAINS	2	0.4	87,088	98,674	*		0
2000 FORAGE CROPS	3	0.3	25,691	52,378	*		22,825
2300 SOYBEANS	7	3.2	377,108	462,018	*		0
2400 PEANUTS	2	1.5	0	219,319	*		0
2500 OTHER OILSEED CROPS	1	0.0	4,427	5,047	*		0
2700 SUGAR CROPS	1	0.1	15,966	18,729	*		0
3000 BEEF CATTLE	2	0.4	70,397	81,974	*		0
3100 DAIRY CATTLE	1	0.0	72,575	79,418	*		0
3200 SWINE	1	0.1	14,515	16,423	*		0
3400 OTHER ANIMALS	1	0.4	72,575	81,714	*		0
3700 CLOTHING & TEXTILES	1	0.1	14,515	14,515	*		0
3800 FOOD	1	0.1	14,515	14,515	*		0
3900 HOUSING & EQUIP	1	0.1	14,515	14,515	*		0
4000 PEOPLE AS INDIVIDUALS	3	0.7	92,533	97,577	*		0
4200 FARM AS BUSINESS	1	0.1	26,127	31,096	*		0
4300 SOC POLIT ORGANIZ	3	1.2	99,790	110,976	*		0
4400 AGRIC ECONOMY U S	1	0.0	13,063	15,548	*		0
6300 BIO CELL SYSTEMS	1	0.2	29,030	32,847	*		0
TOTAL		12.0	1,331,812	1,785,146	*		45,850

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	ALA TUSKEGEE TUSKEGEE		1990
					USOA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	1	0.2	15,091	15,091	*		0
1200 VEGETABLES	2	4.7	480,935	480,935	*		0
2900 POULTRY	1	0.4	126,483	126,483	*		0
3200 SWINE	1	0.8	148,088	148,088	*		0
3400 OTHER ANIMALS	1	2.4	303,880	303,880	*		0
4000 PEOPLE AS INDIVIDUALS	2	0.9	139,151	139,151	*		0
4100 FAMILY MEMBERS	1	0.2	19,814	19,814	*		0
4300 SOC POLIT ORGANIZ	1	0.1	9,907	9,907	*		0
TOTAL		9.8	1,243,306	1,243,306	*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	ALCORN A&M		LORMAN		1890
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0200 WATER	1	0.4	168,310	168,310		*		0
1000 FRUIT NUTS DECIDUOUS	1	0.8	139,572	139,572		*		0
1200 VEGETABLES	2	0.6	165,499	165,499		*		0
1800 PASTURE	1	0.4	68,493	68,493		*		0
2800 POULTRY	1	0.5	138,875	138,875		*		0
3000 BEEF CATTLE	1	0.4	68,493	68,493		*		0
3100 DAIRY CATTLE	1	0.8	120,898	120,898		*		0
3700 CLOTHING & TEXTILES	1	0.3	46,913	46,913		*		0
3800 FOOD	1	0.4	62,551	62,551		*		0
3900 HOUSING & EQUIP	1	0.3	46,913	46,913		*		0
4000 PEOPLE AS INDIVIDUALS	2	1.0	193,380	193,380		*		0
4200 FARM AS BUSINESS	1	0.2	56,421	56,421		*		0
4300 SOC POLIT ORGANIZ	1	0.3	63,995	63,995		*		0
6100 WEEDS	1	0.1	34,657	34,657		*		0
TOTAL		6.9	1,374,969	1,374,969		*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	ARK A&M		PINE BLUFF		1890
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0800 WILDLIFE AND FISH	6	3.8	450,258	455,888		*		0
1200 VEGETABLES	2	0.5	134,924	134,924		*		0
2000 FORAGE CROPS	1	0.8	81,662	81,662		*		0
2500 OTHER OILSEED CROPS	1	0.9	97,994	97,994		*		0
2800 MISC NEW CROPS	1	0.5	48,997	48,997		*		0
2900 POULTRY	2	0.9	97,118	97,118		*		0
3700 CLOTHING & TEXTILES	2	0.6	85,740	85,740		*		0
3800 FOOD	1	0.2	36,048	36,048		*		0
3900 HOUSING & EQUIP	1	0.0	59,868	59,868		*		0
4000 PEOPLE AS INDIVIDUALS	2	0.2	52,421	52,421		*		0
4100 FAMILY MEMBERS	1	0.0	19,648	19,648		*		0
4300 SOC POLIT ORGANIZ	1	0.0	13,098	13,098		*		0
4800 MARKETING SYSTEMS	1	0.0	16,373	16,373		*		0
TOTAL		8.3	1,194,150	1,209,780		*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	DEL STATE COL		DOVER		1890
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0800 TIMBER FORST PRODUCT	1	0.2	55,973	70,739		*		0
0800 WILDLIFE AND FISH	2	1.7	141,857	171,389		*		0
1200 VEGETABLES	1	1.8	91,230	105,996		*		0
2000 FORAGE CROPS	2	1.0	138,558	168,090		*		0
4000 PEOPLE AS INDIVIDUALS	1	1.0	29,000	29,000		*		0
TOTAL		5.7	456,618	545,214		*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	FLORIDA A&M		TALLAHASSE		1890
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	1	1.0	114,456	114,456		*		0
0300 WATERSHEDS RIVER BAS	2	2.0	180,098	180,098		*		0
0800 WILDLIFE AND FISH	1	0.3	20,330	20,330		*		0
1200 VEGETABLES	1	1.0	108,017	108,017		*		0
2400 PEANUTS	1	1.0	102,971	102,971		*		0
3000 BEEF CATTLE	1	0.3	87,068	87,068		*		0
3200 SWINE	1	0.3	89,094	89,094		*		0
3400 OTHER ANIMALS	1	1.2	132,020	132,020		*		0
4000 PEOPLE AS INDIVIDUALS	1	0.3	20,330	20,330		*		0
4300 SOC POLIT ORGANIZ	1	0.3	52,154	52,154		*		0
6500 INVERTEBRATES	1	1.0	55,414	55,414		*		0
TOTAL		8.6	921,951	921,951		*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

FT. VALLEY COL FORT VALLEY

1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	1	0.2	22,228	22,228	*	0
0400 AIR AND CLIMATE	1	0.1	11,114	11,114	*	0
0900 CITRUS SUB TROP FRUT	1	0.5	66,152	66,152	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.2	22,228	22,228	*	0
1200 VEGETABLES	6	4.2	454,969	454,969	*	0
1300 ORNAMENTALS TURF	1	0.2	46,131	46,131	*	0
2000 FORAGE CROPS	1	0.1	24,385	24,385	*	0
2300 SOYBEANS	1	0.0	115	115	*	0
2900 POULTRY	1	0.3	16,087	16,087	*	0
3400 OTHER ANIMALS	3	2.0	418,665	418,665	*	0
3700 CLOTHING & TEXTILES	1	0.2	15,324	15,324	*	0
3800 FOOD	2	1.0	80,840	80,840	*	0
3900 HOUSING & EQUIP	1	0.2	15,324	15,324	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.6	53,246	53,246	*	0
4100 FAMILY MEMBERS	1	0.3	21,155	21,155	*	0
4300 SOC POLIT ORGANIZ	1	0.5	64,538	64,538	*	0
8800 ANIMALS(VERTEBRATES)	1	1.0	105,865	105,865	*	0
TOTAL		11.6	1,437,367	1,437,367	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

KY STATE COLL FRANKFORT

1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0600 TIMBER FORST PRODUCT	1	0.4	125,161	125,161	*	0
0800 WILDLIFE AND FISH	2	2.2	374,824	374,824	*	0
1200 VEGETABLES	1	0.4	104,156	104,156	*	0
1400 CORN	2	0.6	252,136	252,136	*	0
1700 WHEAT	1	0.2	49,014	49,014	*	0
2000 FORAGE CROPS	2	0.6	75,857	75,857	*	0
2300 SOYBEANS	1	0.9	93,536	93,536	*	0
3700 CLOTHING & TEXTILES	1	0.6	63,442	63,442	*	0
3800 FOOD	1	0.6	63,442	63,442	*	0
4000 PEOPLE AS INDIVIDUALS	2	1.1	133,069	133,069	*	0
4100 FAMILY MEMBERS	1	1.1	148,843	148,843	*	0
4300 SOC POLIT ORGANIZ	1	1.0	73,231	73,231	*	0
6400 EXP DESIGN/STAT METHOD	1	0.3	55,343	55,343	*	0
6500 INVERTEBRATES	1	0.1	27,672	27,672	*	0
TOTAL		10.2	1,639,725	1,639,725	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

LANGSTON UNIV LANGSTON

1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	1	0.4	30,852	30,852	*	0
0800 WILDLIFE AND FISH	1	0.8	57,353	57,353	*	0
1200 VEGETABLES	1	0.8	57,353	57,353	*	0
1500 GRAIN SORGHUM	1	0.4	30,852	30,852	*	0
1700 WHEAT	1	0.4	30,852	30,852	*	0
2000 FORAGE CROPS	1	0.4	30,852	30,852	*	0
2300 SOYBEANS	3	1.3	151,081	151,081	*	0
3400 OTHER ANIMALS	1	3.0	534,963	534,963	*	0
TOTAL		7.3	924,156	924,156	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	LINCOLN UNIV		JEFFERSON		1890
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	1	0.0	23,333	23,333		*	0	
0700 RANGE	1	0.6	121,533	121,533		*	0	
0900 CITRUS SUB TROP FRUIT	1	0.3	23,081	23,081		*	0	
1000 FRUIT NUTS DECIDUOUS	1	0.3	23,081	23,081		*	0	
1200 VEGETABLES	4	3.0	388,139	388,139		*	0	
2300 SOYBEANS	1	0.9	125,362	125,362		*	0	
3000 BEEF CATTLE	2	0.5	124,386	171,822		*	0	
3200 SWINE	1	0.7	111,005	187,477		*	0	
3300 SHEEP AND WOOL	1	0.6	122,402	131,437		*	0	
3400 OTHER ANIMALS	1	2.0	147,762	147,762		*	0	
3700 CLOTHING & TEXTILES	1	0.2	12,187	12,187		*	0	
3800 FOOD	2	0.9	68,779	68,779		*	0	
3900 HOUSING & EQUIP	1	0.2	12,187	12,187		*	0	
4000 PEOPLE AS INDIVIDUALS	2	1.2	141,911	141,911		*	0	
4100 FAMILY MEMBERS	2	0.2	27,826	27,826		*	0	
4200 FARM AS BUSINESS	1	0.0	7,642	7,642		*	0	
4400 AGRIC ECONOMY U S	1	0.0	7,642	7,642		*	0	
4700 OTH MARKET PROCESS	1	0.0	7,642	7,642		*	0	
6800 ANIMALS(VERTEBRATES)	1	0.4	36,332	36,332		*	0	
TOTAL		11.9	1,532,334	1,845,277		*	0	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	MD. STATE COL		PRINCESS ANN		1890
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0800 WILDLIFE AND FISH	1	0.3	62,865	150,124		*	0	
2300 SOYBEANS	1	2.8	362,888	414,081		*	0	
2800 MISC NEW CROPS	1	0.4	27,331	27,331		*	0	
2900 POULTRY	1	0.0	18,826	109,533		*	12,796	
3000 BEEF CATTLE	1	0.1	11,537	11,537		*	0	
3100 DAIRY CATTLE	2	0.6	47,059	47,059		*	0	
3700 CLOTHING & TEXTILES	2	0.3	29,161	29,161		*	0	
3800 FOOD	1	0.3	21,728	21,728		*	0	
3900 HOUSING & EQUIP	1	0.3	23,086	23,086		*	0	
4100 FAMILY MEMBERS	1	0.6	77,339	77,339		*	0	
4200 FARM AS BUSINESS	1	0.4	27,331	27,331		*	0	
4300 SOC POLIT ORGANIZ	1	0.4	51,559	51,559		*	0	
TOTAL		6.6	780,708	989,867		*	12,796	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	PRAIRIE VW A&M PRAIRIE VIEW				1890
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0100 SOIL AND LAND	1	0.2	26,854	26,854		*	0	
1200 VEGETABLES	1	2.6	236,981	236,981		*	0	
3100 DAIRY CATTLE	1	0.6	382,757	382,757		*	0	
3400 OTHER ANIMALS	5	8.0	684,015	790,815		*	126,800	
3700 CLOTHING & TEXTILES	1	0.4	36,285	36,285		*	0	
3800 FOOD	1	0.8	72,570	72,570		*	0	
3900 HOUSING & EQUIP	1	0.4	36,285	36,285		*	0	
4000 PEOPLE AS INDIVIDUALS	1	1.0	130,494	130,494		*	0	
4100 FAMILY MEMBERS	1	1.5	101,547	101,547		*	0	
6700 PLANTS	1	0.1	17,903	17,903		*	0	
6800 ANIMALS(VERTEBRATES)	2	1.3	175,251	175,251		*	0	
7000 RSCH EQUIP & TECHNOLOGY	1	0.4	59,676	59,676		*	0	
TOTAL		17.2	1,940,618	2,067,418		*	126,800	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1988	SC STATE COLL DRANGEBURG		1890
				TOTAL FUNDS (GRDSS) 1988	USDA CDN/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0400 AIR AND CLIMATE	1	0.5	84,826	84,826	*	0
4000 PEOPLE AS INDIVIDUALS	2	1.5	180,932	180,932	*	0
4100 FAMILY MEMBERS	2	1.2	125,930	125,930	*	0
4200 FARM AS BUSINESS	1	0.5	82,808	82,808	*	0
4300 SDC POLIT ORGANIZ	6	3.0	512,048	512,048	*	0
6300 BIO CELL SYSTEMS	1	0.6	116,653	116,653	*	0
TOTAL		7.3	1,113,287	1,113,287	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1988	SOUTHERN UNIV BATON ROUGE		1890
				TOTAL FUNDS (GRDSS) 1988	USDA CDN/GT/CA SYS 1988	WITH SAES AMOUNT 1988
1000 FRUIT NUTS DECIDUOUS	1	0.3	28,019	28,019	*	0
1200 VEGETABLES	3	1.3	260,546	260,546	*	0
2800 POULTRY	1	1.0	89,833	89,833	*	0
3000 BEEF CATTLE	1	0.4	107,732	107,732	*	0
3100 DAIRY CATTLE	1	0.4	84,527	84,527	*	0
3200 SWINE	1	0.6	83,545	83,545	*	0
3800 FOOD	1	0.4	77,727	77,727	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.5	123,447	123,447	*	0
4100 FAMILY MEMBERS	1	0.6	55,179	55,179	*	0
4800 MARKETING SYSTEMS	1	0.7	95,130	95,130	*	0
TOTAL		6.2	1,006,684	1,006,684	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1988	TEN A&M INO NASHVILLE		1890
				TOTAL FUNDS (GRDSS) 1988	USDA CDN/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	1	0.5	75,839	75,839	*	0
1200 VEGETABLES	2	1.1	192,611	192,611	*	0
1300 ORNAMENTALS TURF	1	1.7	130,248	130,248	*	0
1700 WHEAT	1	0.1	12,640	12,640	*	0
2300 SOYBEANS	3	2.1	254,521	254,521	*	0
2800 POULTRY	1	0.4	155,590	155,590	*	0
3000 BEEF CATTLE	1	0.4	123,782	123,782	*	0
3400 OTHER ANIMALS	1	0.5	100,129	100,129	*	0
3700 CLOTHING & TEXTILES	1	0.4	32,407	32,407	*	0
3800 FOOD	1	0.4	32,407	32,407	*	0
4000 PEOPLE AS INDIVIDUALS	2	2.5	165,857	165,857	*	0
4100 FAMILY MEMBERS	1	0.5	52,018	52,018	*	0
4200 FARM AS BUSINESS	1	0.7	78,028	78,028	*	0
4300 SDC POLIT ORGANIZ	1	1.5	118,000	118,000	*	0
4700 DTH MARKET PROCESS	1	0.1	65,177	65,177	*	0
4800 MARKETING SYSTEMS	1	0.0	44,118	44,118	*	0
TOTAL		12.9	1,634,372	1,634,372	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1988	VA STATE COLL PETERSBURG		1890
				TOTAL FUNDS (GRDSS) 1988	USDA CDN/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	2	2.2	317,950	317,950	*	0
1200 VEGETABLES	1	3.9	263,323	263,323	*	0
2300 SOYBEANS	1	3.9	235,366	235,366	*	0
3200 SWINE	1	2.0	200,027	200,027	*	0
3700 CLOTHING & TEXTILES	1	0.4	40,285	40,285	*	0
3800 FOOD	2	1.1	122,033	122,033	*	0
3900 HDUSING & EQUIP	1	0.4	40,285	40,285	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.9	111,273	111,273	*	0
4100 FAMILY MEMBERS	1	0.3	42,953	42,953	*	0
TOTAL		15.2	1,374,524	1,374,524	*	0
GRAND TOTAL		189.0	21,905,764	22,982,168	*	185,246

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	26	13.2	23,208	2,298,303	*	248,688
2900 POULTRY	63	26.4	129,172	5,385,380	*	443,350
3000 BEEF CATTLE	157	84.4	361,086	15,944,805	*	933,384
3100 DAIRY CATTLE	157	45.5	277,764	8,851,418	*	514,097
3200 SWINE	135	29.0	149,297	6,503,831	*	600,341
3300 SHEEP AND WOOL	50	23.4	123,668	4,371,386	*	321,538
3400 OTHER ANIMALS	285	111.2	132,114	23,451,611	*	198,848
3800 FOOD	1	0.0	0	17,842	*	0
4000 PEOPLE AS INDIVIDUALS	10	5.1	0	1,147,886	*	3,700
4100 FAMILY MEMBERS	2	0.0	0	43,019	*	0
6300 BIO CELL SYSTEMS	4	3.2	0	589,888	*	0
6500 INVERTEBRATES	1	0.0	0	22,500	*	0
6600 MICROORGANISMS VIRUSES	11	2.6	0	488,683	*	31,601
6800 ANIMALS(VERTEBRATES)	93	135.8	53,121	18,389,921	*	37,953
7000 RSCH EQUIP & TECHNOLOGY	2	0.2	0	60,200	*	0
TOTAL		480.0	1,249,410	87,546,052	*	3,333,480

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 200						
210 CONTR PESTS ANIMALS	3	1.2	0	69,628	*	0
211 CONTR DIS ANIMALS	507	325.7	881,332	55,197,615	*	2,389,118
212 CNTR INTER PARASITES	32	4.4	38,977	845,607	*	133,925
213 PROT ANMLS FROM TOXINS	28	58.9	110,229	10,296,570	*	4,318
214 PROTECT FROM POLLUTION	9	15.5	26,868	4,345,010	*	3,149
SUBTOTAL		405.8	1,057,406	70,754,430	*	2,530,510
SERIES 300						
310 ANIMAL REPRODUCTION	54	17.8	107,130	4,610,343	*	332,394
311 IMP BIO EFF ANML PR	85	21.9	42,827	4,719,639	*	153,587
312 ENV STRESS IN ANML PR	12	3.7	1,577	757,365	*	0
313 PROD MGMT SYS ANML PR	2	0.6	9,000	68,635	*	0
318 NON COM BIO TECH/BIMET	28	12.1	0	2,384,981	*	0
SUBTOTAL		56.2	160,535	12,540,973	*	485,981
SERIES 400						
409 PROD ANML PR IMP ACCP	7	0.1	2,553	142,823	*	28,473
410 IMP MEAT MILK EGG PR	1	0.4	3,032	52,403	*	0
412 MKT OUAL ANIMAL PROD	3	0.7	0	279,330	*	0
SUBTOTAL		1.2	5,585	474,557	*	28,473
SERIES 500						
511 IMP AGRIC STATISTICS	1	0.1	0	55,400	*	0
SUBTOTAL		0.1	0	55,400	*	0
SERIES 600						
603 TECH AID DEV CRTY	1	0.9	0	275,042	*	0
SUBTOTAL		0.9	0	275,042	*	0
SERIES 700						
701 TOX RES IN FOOD	2	0.4	5,708	301,283	*	35,130
707 TRANS ANML MAN DIS	9	4.6	0	1,101,165	*	3,700
709 REDUCE HAZ HLTH & SFTY	3	0.6	0	89,740	*	0
SUBTOTAL		5.6	5,708	1,492,188	*	38,830
SERIES 900						
904 WLDLFE AND FISH ECOL	23	10.2	20,176	1,953,463	*	248,688
SUBTOTAL		10.2	20,176	1,953,463	*	248,688
SCIENCE IN SERV OF MAN						
GRAND TOTAL		480.0	1,249,410	87,546,052	*	3,333,480

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	SCH VET MED	AUBURN	VET
						USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	2	1.3	0	187,377		*	0
2800 POULTRY	3	0.6	0	184,431		*	19,781
3000 BEEF CATTLE	13	4.4	7,030	780,981		*	33,182
3100 DAIRY CATTLE	4	0.8	4,887	118,883		*	0
3200 SWINE	6	1.0	0	203,760		*	19,809
3300 SHEEP AND WOOL	2	0.1	0	27,104		*	0
3400 OTHER ANIMALS	6	2.1	31,183	325,770		*	13,273
TOTAL		10.4	42,900	1,768,295		*	86,146

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	SCH VET MED	CALIFORNIA	VET
						USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	4	1.2	0	283,135		*	0
2800 POULTRY	2	0.5	1,142	72,131		*	0
3000 BEEF CATTLE	13	4.8	49,455	1,313,473		*	33,739
3100 DAIRY CATTLE	24	8.4	95,356	1,358,606		*	134,697
3200 SWINE	4	0.8	6,142	115,733		*	24,708
3300 SHEEP AND WOOL	8	1.7	14,542	326,467		*	33,739
3400 OTHER ANIMALS	14	15.9	6,600	3,924,313		*	7,642
6800 MICROORGANISMS VIRUSES	2	0.1	0	7,302		*	0
6800 ANIMALS(VERTEBRATES)	7	10.7	4,600	5,106,670		*	0
TOTAL		44.1	178,737	12,507,831		*	234,526

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	SCH VET MED	COLORADO	VET
						USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
2800 POULTRY	1	0.7	0	77,249		*	77,249
3000 BEEF CATTLE	6	53.5	147,112	9,017,783		*	138,712
3100 DAIRY CATTLE	2	12.0	32,466	1,852,696		*	28,789
3300 SHEEP AND WOOL	7	13.3	44,848	2,450,702		*	195,473
3400 OTHER ANIMALS	1	1.7	12,388	335,412		*	6,374
TOTAL		81.2	236,815	13,733,842		*	446,577

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	SCH VET MED	FLORIDA	VET
						USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	1	0.5	0	111,150		*	0
3000 BEEF CATTLE	8	2.3	12,085	446,215		*	20,000
3100 DAIRY CATTLE	3	0.5	7,038	80,945		*	0
3200 SWINE	4	1.3	11,544	265,785		*	15,000
3300 SHEEP AND WOOL	1	0.1	473	73,331		*	15,000
3400 OTHER ANIMALS	26	11.4	41,045	2,322,360		*	0
6800 ANIMALS(VERTEBRATES)	2	1.0	3,155	235,747		*	0
TOTAL		17.1	75,341	3,535,514		*	50,000

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	SCH VET MED	GEORGIA	VET
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	3	3.4	15,162	435,993	*	73,572
2900 POULTRY	7	14.7	66,061	2,553,792	*	146,175
3000 BEEF CATTLE	7	1.9	17,334	244,744	*	0
3100 DAIRY CATTLE	6	3.1	17,334	393,366	*	0
3200 SWINE	10	3.6	5,374	561,864	*	0
3300 SHEEP AND WOOL	2	1.0	2,667	160,369	*	0
3400 OTHER ANIMALS	3	3.7	0	612,803	*	25,123
4000 PEOPLE AS INDIVIDUALS	1	0.2	0	29,131	*	0
6300 BIO CELL SYSTEMS	1	1.4	0	180,170	*	0
6600 MICROORGANISMS VIRUSES	2	1.0	0	150,824	*	0
6800 ANIMALS(VERTEBRATES)	1	0.1	0	7,006	*	0
TOTAL		34.2	125,952	5,330,164	*	244,870

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	SCH VET MED	IOWA	VET
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	2	0.1	1,030	8,149	*	0
2900 POULTRY	17	3.1	15,330	683,079	*	22,665
3000 BEEF CATTLE	37	3.0	26,961	1,092,444	*	175,645
3100 DAIRY CATTLE	35	2.4	16,548	828,546	*	109,317
3200 SWINE	61	9.7	92,519	2,739,554	*	220,485
3300 SHEEP AND WOOL	3	0.4	2,363	85,824	*	780
3400 OTHER ANIMALS	9	1.1	1,030	99,221	*	0
6800 ANIMALS(VERTEBRATES)	25	6.2	46,466	1,094,301	*	0
TOTAL		26.1	205,247	6,631,117	*	528,793

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	SCH VET MED	LOUISIANA	VET
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	3	1.3	3,290	158,643	*	0
2900 POULTRY	3	0.9	0	175,201	*	5,799
3000 BEEF CATTLE	9	2.1	3,050	506,531	*	74,684
3100 DAIRY CATTLE	7	2.3	5,850	451,118	*	26,580
3200 SWINE	4	1.3	0	246,538	*	10,375
3300 SHEEP AND WOOL	3	1.0	0	192,015	*	38,799
3400 OTHER ANIMALS	11	4.0	8,769	700,690	*	0
TOTAL		13.0	20,959	2,430,737	*	158,438

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	SCH VET MED	MINNESOTA	VET
				TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	1	0.7	0	143,334	*	0
2900 POULTRY	8	1.7	0	206,738	*	34,294
3000 BEEF CATTLE	5	3.2	38,990	507,023	*	48,342
3100 DAIRY CATTLE	4	5.2	24,137	995,065	*	11,005
3200 SWINE	12	6.3	18,761	1,386,273	*	208,056
3400 OTHER ANIMALS	11	6.6	0	1,218,462	*	0
TOTAL		23.6	61,888	4,836,894	*	301,697

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	SCH VET MED	MISSOURI	VET
					USDA SYS 1988	CDN/GT/CA	WITH SAES AMOUNT 1988
3000 BEEF CATTLE	6	1.3	0	119,988	*		18,028
3100 DAIRY CATTLE	6	0.7	0	74,827	*		18,028
3200 SWINE	3	0.6	0	17,435	*		0
3300 SHEEP AND WOOL	1	0.0	0	4,024	*		0
3400 OTHER ANIMALS	18	4.8	0	656,762	*		0
6800 MICROORGANISMS VIRUSES	1	0.1	0	2,000	*		0
6800 ANIMALS(VERTEBRATES)	12	14.8	0	2,427,196	*		0
7000 RSCH EQUIP & TECHNOLOGY	2	0.2	0	60,200	*		0
TOTAL		22.2	0	3,362,212	*		36,055

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	SCH VET MED	NEW YDRK	VET
					USDA SYS 1988	CDN/GT/CA	WITH SAES AMOUNT 1988
0800 WILDLIFE AND FISH	6	3.1	3,726	418,702	*		0
2900 POULTRY	12	3.4	40,528	1,072,130	*		12,195
3000 BEEF CATTLE	24	2.7	22,215	755,648	*		194,331
3100 DAIRY CATTLE	38	3.8	55,255	1,141,883	*		88,711
3200 SWINE	17	2.7	14,957	392,034	*		12,443
3300 SHEEP AND WOOL	8	4.0	23,120	691,711	*		0
3400 OTHER ANIMALS	57	27.2	0	6,734,927	*		114,321
3800 PDD	1	0.0	0	17,642	*		0
4000 PEOPLE AS INDIVIDUALS	8	4.7	0	1,114,422	*		3,700
4100 FAMILY MEMBERS	1	0.0	0	42,664	*		0
6300 BIO CELL SYSTEMS	3	1.7	0	409,518	*		0
6600 MICROORGANISMS VIRUSES	2	0.3	0	137,140	*		28,452
6800 ANIMALS(VERTEBRATES)	28	13.2	0	2,873,403	*		17,565
TOTAL		66.8	159,801	15,801,933	*		472,718

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	SCH VET MED	OHIO	VET
					USDA SYS 1988	CDN/GT/CA	WITH SAES AMOUNT 1988
2900 POULTRY	1	0.2	0	14,041	*		0
3000 BEEF CATTLE	3	0.2	7,898	62,328	*		0
3100 DAIRY CATTLE	5	0.6	10,092	91,818	*		25,588
3200 SWINE	2	0.4	0	106,623	*		0
3300 SHEEP AND WOOL	4	0.8	17,302	39,598	*		0
3400 OTHER ANIMALS	50	10.5	0	1,506,672	*		29,693
4000 PEOPLE AS INDIVIDUALS	1	0.2	0	4,333	*		0
6600 MICROORGANISMS VIRUSES	1	0.5	0	25,086	*		0
6800 ANIMALS(VERTEBRATES)	4	1.1	0	250,106	*		0
TOTAL		14.4	35,292	2,100,616	*		55,281

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	SCH VET MED	OREGON	VET
					USDA SYS 1988	CDN/GT/CA	WITH SAES AMOUNT 1988
2900 POULTRY	4	0.2	4,111	107,962	*		39,083
3000 BEEF CATTLE	9	0.5	12,334	182,336	*		30,051
3100 DAIRY CATTLE	6	0.1	0	65,718	*		30,051
3200 SWINE	3	0.2	0	83,390	*		67,035
3300 SHEEP AND WOOL	3	0.2	12,334	50,080	*		37,746
3400 OTHER ANIMALS	7	1.4	12,334	262,074	*		0
6800 ANIMALS(VERTEBRATES)	2	1.2	0	289,011	*		0
TOTAL		3.8	41,113	1,020,572	*		203,966

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	SCH VET MED		PENNSYLVANIA		VET
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0800 WILDLIFE AND FISH	1	0.1	0	89,602	*		0	
2900 POULTRY	5	0.3	0	238,605	*		86,109	
3000 BEEF CATTLE	7	1.0	14,800	150,528	*		0	
3100 DAIRY CATTLE	19	3.8	8,000	968,906	*		1,135	
3200 SWINE	5	0.1	0	115,888	*		0	
3300 SHEEP AND WOOL	5	0.4	8,000	118,702	*		0	
3400 OTHER ANIMALS	54	12.6	15,000	3,184,213	*		0	
4100 FAMILY MEMBERS	1	0.0	0	355	*		0	
8500 INVERTEBRATES	1	0.0	0	22,500	*		0	
8600 MICROORGANISMS VIRUSES	1	0.0	0	33,354	*		0	
8800 ANIMALS(VERTEBRATES)	3	0.3	0	170,475	*		0	
TOTAL		18.6	41,600	5,094,129	*		87,244	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	SCH VET MED		TEXAS		VET
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0800 WILDLIFE AND FISH	1	0.8	0	428,000	*		130,000	
3000 BEEF CATTLE	2	1.8	0	223,958	*		0	
3100 DAIRY CATTLE	4	1.3	0	251,725	*		3,149	
3200 SWINE	2	1.1	0	265,934	*		6,289	
3400 OTHER ANIMALS	3	6.6	0	588,033	*		0	
8600 MICROORGANISMS VIRUSES	2	0.5	0	132,867	*		3,149	
8800 ANIMALS(VERTEBRATES)	3	17.2	0	2,115,229	*		18,896	
TOTAL		29.4	0	4,005,847	*		161,494	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	SCH VET MED		TUSKEGEE		VET
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
3400 OTHER ANIMALS	3	0.0	3,785	3,785	*		0	
TOTAL		0.0	3,785	3,785	*		0	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	SCH VET MED		WASHINGTON		VET
				TOTAL FUNDS (GROSS) 1988		USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988	
0800 WILDLIFE AND FISH	2	0.7	0	54,218	*		45,114	
3000 BEEF CATTLE	8	1.5	0	480,845	*		166,850	
3100 DAIRY CATTLE	4	0.3	0	176,404	*		34,067	
3200 SWINE	2	0.0	0	22,749	*		16,031	
3300 SHEEP AND WOOL	3	0.4	0	151,457	*		0	
3400 OTHER ANIMALS	12	1.8	0	876,135	*		2,422	
8800 ANIMALS(VERTEBRATES)	6	70.0	0	3,820,776	*		1,492	
TOTAL		74.8	0	5,882,584	*		285,875	
GRAND TOTAL		480.0	1,249,410	87,546,052	*		3,333,480	

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY COMMODITY --

NATIONAL TOTAL OTHER NON-FEDERAL INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD [GROSS] 1988	TOTAL FUNDS [GROSS] 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
0100 SOIL AND LAND	1	0.0	27,745	27,745	*	*
0200 WATER	1	1.0	87,000	87,000	*	*
0300 WATERSHEDS RIVER BAS	1	0.7	183,406	183,406	*	*
0800 TIMBER FORST PRDOUCT	48	7.9	1,995,373	2,709,943	*	*
0700 RANGE	3	0.7	93,197	120,797	*	*
0900 CITRUS SUB TROP FRUT	1	0.0	20,776	20,776	*	*
1200 VEGETABLES	5	1.0	133,379	139,857	*	*
1400 CORN	12	0.7	341,526	363,004	*	*
1800 GRAIN SORGHUM	2	0.0	35,815	113,336	*	*
1700 WHEAT	3	0.2	97,194	97,194	*	*
1800 OTHER SMALL GRAINS	4	1.0	93,085	99,543	*	*
2000 FORAGE CROPS	1	0.0	1,995	4,495	*	*
2100 COTTON	2	0.0	178,868	178,868	*	*
2300 SOYBEANS	4	2.3	175,886	175,886	*	*
2500 OTHER OILSEED CROPS	1	0.1	23,267	23,267	*	*
2600 TOBACCO	2	0.6	88,755	142,765	*	*
2700 SUGAR CROPS	1	0.5	97,716	97,716	*	*
2800 MISC NEW CROPS	1	0.4	84,700	84,700	*	*
2900 POULTRY	16	5.8	747,348	1,072,317	*	*
3000 BEEF CATTLE	15	2.8	475,447	570,888	*	*
3100 DAIRY CATTLE	6	0.9	166,689	174,997	*	*
3200 SWINE	8	1.0	267,754	299,846	*	*
3300 SHEEP AND WOOL	2	1.0	87,063	123,332	*	*
3400 OTHER ANIMALS	6	0.5	274,941	282,237	*	*
3500 FARM SUPP & FACILITS	2	0.5	174,699	174,699	*	*
3800 FOOD	4	1.2	143,985	150,185	*	*
3900 HOUSING & EQUIP	2	0.4	102,779	102,779	*	*
4000 PEOPLE AS INDIVIDUALS	5	0.4	140,127	158,127	*	*
4100 FAMILY MEMBERS	1	0.5	29,959	29,959	*	*
4300 SOC POLIT ORGANIZ	1	0.7	49,192	49,192	*	*
4400 AGRIC ECONOMY U S	1	0.1	3,990	6,990	*	*
6200 SEED RESEARCH	1	0.3	125,000	152,800	*	*
6300 BIO CELL SYSTEMS	5	0.5	172,145	570,945	*	*
6500 INVERTEBRATES	24	5.4	872,147	1,004,806	*	*
6600 MICROORGANISMS VIRUSES	32	5.5	1,384,878	1,700,032	*	*
6700 PLANTS	47	11.0	2,320,363	3,386,419	*	*
6800 ANIMALS(VERTEBRATES)	5	0.8	172,102	248,415	*	*
7000 RSCH EQUIP & TECHNOLOGY	3	0.4	55,395	55,395	*	*
TOTAL		57.4	11,435,854	14,936,446	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1988 BY PROBLEM AREA --

NATIONAL TOTAL OTHER NON-FEDERAL INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1988	REG FED APPR/ CSRS ADMSTRD (GROSS) 1988	TOTAL FUNDS (GROSS) 1988	USDA CON/GT/CA SYS 1988	WITH SAES AMOUNT 1988
SERIES 100						
101 APPRAIS OF SOIL RESOR	1	0.0	27,745	27,745	*	*
102 SOIL PLNT WTR NUTRI	1	0.0	41,858	41,858	*	*
103 MGMT OF SALINE SOILS	1	1.0	97,000	97,000	*	*
105 CONSERV USE OF WATER	2	1.0	70,910	121,004	*	*
111 BIOL CULT MGMT FORSTS	8	1.3	315,747	323,147	*	*
112 IMPROV RANGE RESOR	2	0.1	43,197	70,797	*	*
SUBTOTAL		3.4	596,254	681,348	*	*
SERIES 200						
201 CNTRL FORST INSECTS	11	1.1	659,100	718,704	*	*
202 CONTROL FOREST DIS	2	0.0	98,258	98,258	*	*
203 FOREST FIRE PROTECT	1	0.6	50,000	50,000	*	*
204 CNTR PESTS FRT & VEGS	4	0.1	80,283	80,283	*	*
205 CNTR DISE FRT & VEG	1	0.8	49,462	49,462	*	*
206 CNTR WEEDS FRT & VEG	2	0.1	23,267	29,745	*	*
207 CNTR PESTS FLD CROPS	8	0.2	232,996	285,996	*	*
208 CNTR DIS FIELD CROPS	2	0.6	75,042	75,042	*	*
209 CNTR WEEDS FLD CROPS	1	0.0	0	58,302	*	*
210 CNTR PESTS ANIMALS	1	1.0	35,802	35,802	*	*
211 CNTR DIS ANIMALS	22	4.3	774,336	951,570	*	*
213 PROT ANMLS FROM TOXINS	1	0.0	57,954	57,954	*	*
214 PROTECT FROM POLLUTION	2	0.8	87,648	106,020	*	*
SUBTOTAL		8.5	2,232,147	2,605,137	*	*
SERIES 300						
301 GENET BREED FORST TRE	3	1.2	39,951	91,384	*	*
302 IMP FOREST ENG SYS	8	2.6	371,262	446,999	*	*
304 IMP BIO EFF FRT & VEGS	2	0.3	60,650	60,650	*	*
305 MECH PROD FRT & VEGS	1	0.4	64,700	64,700	*	*
307 IMP BIO EFF FLD CRP	23	3.4	920,355	1,041,530	*	*
308 MECH PROD FIELD CROPS	1	0.4	78,173	78,173	*	*
310 ANIMAL REPRODUCTION	9	1.9	322,960	377,348	*	*
311 IMP BIO EFF ANML PR	15	3.2	625,768	879,341	*	*
312 ENV STRESS IN ANML PR	1	0.0	21,186	21,186	*	*
316 IMP STRUC FARM SUPP	2	0.5	174,699	174,699	*	*
318 NON COM BIO TECH/BIMET	83	20.8	4,263,421	6,593,992	*	*
SUBTOTAL		34.7	6,943,125	9,830,002	*	*
SERIES 400						
401 NEW IMP FOREST PRODD	19	2.8	879,844	916,844	*	*
405 PRODD FLD CROP IMP ACPT	1	1.8	83,464	83,464	*	*
407 NEW IMP NON FOOD FC	1	0.1	23,267	23,267	*	*
412 MKT QUAL ANIMAL PRODD	1	0.3	28,000	28,000	*	*
SUBTOTAL		5.0	1,015,575	1,052,575	*	*
SERIES 500						
503 MKTG EFF AGRI PRODS	1	0.2	7,980	17,980	*	*
506 SPLY DEMAND AND PRIC	1	0.1	3,990	8,990	*	*
SUBTOTAL		0.3	11,970	26,970	*	*
SERIES 700						
701 TOX RES IN FOOD	2	0.8	150,700	152,356	*	*
702 FOOD PROT FROM TOX	2	0.8	58,995	65,185	*	*
708 HUMAN NUTRITION	9	1.9	337,241	430,726	*	*
SUBTOTAL		3.5	546,936	648,267	*	*
SERIES 800						
808 GOVT PROGRAMS	1	0.0	1,995	4,495	*	*
SUBTOTAL		0.0	1,995	4,495	*	*
SERIES 900						
905 TREES BEAUTIFICATION	1	0.2	38,458	38,458	*	*
908 RURAL INSTITUT IMP	1	0.7	49,192	49,192	*	*
SUBTOTAL		0.9	87,650	87,650	*	*
SCIENCE IN SERV OF MAN						
GRAND TOTAL		57.4	11,435,654	14,936,446	*	*

NATIONAL TOTAL USDA RESEARCH AGENCIES

TABLE III-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AIO FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN C HOUSE	G CA SAES	OTHER CN GT	SP O15	FO O10	SP O10	FO SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H. SUPPORT SYS	YEARS OTHER												
0100 SOIL AND LAND	235	176.1	236.0	27901	1452	376	0	0	0	738	0	30467	552	16	31034
0200 WATER	192	124.7	178.0	18806	485	290	0	0	0	56	0	20637	753	12	21402
0300 WATERSHEDS RIVER BAS	116	93.9	158.5	15891	8	56	0	0	0	534	0	16487	433	52	16972
0400 AIR AND CLIMATE	14	6.3	8.7	1024	0	0	0	0	0	284	0	1279	126	0	1405
0500 RECREATION RESOURCES	20	20.7	10.2	2080	0	0	0	0	0	483	0	2952	142	84	3158
0600 TIMBER FORST PRODUCT	552	588.4	809.2	98091	4146	3327	0	0	11131	0	116895	3104	1678	121476	
0700 RANGE	132	98.5	150.5	14656	566	110	0	0	0	260	0	16434	726	15	17176
0800 WILDLIFE AND FISH	95	59.4	78.2	10756	3070	1623	0	0	0	986	0	16873	157	73	17102
0900 CITRUS SUB TROP FRUT	127	78.3	139.4	15056	1370	447	0	0	0	0	0	25334	136	143	25613
1000 FRUIT NUTS DECIDUOUS	209	126.5	243.3	22800	2295	239	0	0	0	0	0	9331	11	0	9343
1100 POTATOES	108	41.5	61.9	7577	1716	39	0	0	0	0	0	26518	103	29	26851
1200 VEGETABLES	278	130.6	184.8	22748	2578	1191	0	0	0	0	0	5755	19	85	5839
1300 ORNAMENTALS TURF	61	23.6	77.4	5587	168	0	0	0	0	0	0	25763	67	40	25871
1400 CORN	219	149.3	188.4	23737	1333	693	0	0	0	0	0	2910	21	7	2937
1500 GRAIN SORGHUM	57	16.5	22.6	2877	33	0	0	0	0	0	0	3464	18	1	3483
1600 RICE	43	19.2	25.7	3302	157	5	0	0	0	0	0	23834	114	8	23956
1700 WHEAT	232	133.3	172.7	21513	2184	138	0	0	0	0	0	5154	82	12	5228
1800 OTHER SMALL GRAINS	90	32.1	37.7	4874	173	107	0	0	0	0	0	3225	0	2	3227
1900 PASTURE	45	18.2	25.5	3103	122	0	0	0	0	0	0	18867	2	8	18878
2000 FORAGE CROPS	191	112.2	141.3	17895	798	174	0	0	0	0	0	31506	133	20	31658
2100 COTTON	162	174.2	308.1	30713	582	212	0	0	0	0	0	2528	3	0	2532
2200 COTTONSEED	17	16.1	20.0	2528	0	0	0	0	0	0	0	25673	76	25	25774
2300 SOYBEANS	201	157.4	186.8	23529	1806	338	0	0	0	0	0	5894	164	6	6065
2400 PEANUTS	53	35.4	59.1	5687	164	43	0	0	0	0	0	3465	0	0	3465
2500 OTHER OILSEED CROPS	40	13.1	19.7	2457	998	10	0	0	0	0	0	5583	0	6	5589
2600 TOBACCO	35	27.7	42.8	5476	0	107	0	0	0	0	0	10233	0	82	10296
2700 SUGAR CROPS	47	53.2	107.4	10185	47	1	0	0	0	0	0	6778	238	23	7039
2800 MISC NEW CROPS	64	32.4	57.2	5931	744	102	0	0	0	0	0	21110	112	98	21320
2900 POULTRY	125	104.8	164.6	17409	1871	1730	0	0	0	0	0	37806	157	25	37988
3000 BEEF CATTLE	248	156.2	288.5	31908	4161	1738	0	0	0	0	0	27815	162	7	27984
3100 DAIRY CATTLE	197	120.4	210.5	25118	2338	358	0	0	0	0	0	24692	21	5	24719
3200 SWINE	135	88.4	142.9	21188	2267	1238	0	0	0	0	0	9835	10	2	9847
3300 SHEEP AND WOOL	91	38.5	50.0	8233	985	616	0	0	0	0	0	2852	0	0	2852
3400 OTHER ANIMALS	31	9.6	13.5	1914	612	326	0	0	0	0	0	4098	52	0	4150
3500 BEES AND HONEY	29	31.1	49.4	4030	58	10	0	0	0	0	0	1585	0	0	1585
3600 FARM SUPP & FACILITS	8	9.7	2.3	1291	274	0	0	0	0	0	0	109	0	0	109
3700 CLOTHING & TEXTILES	2	0.8	0.0	109	0	0	0	0	0	0	0	21001	36	0	21035
3800 FOOD	91	63.6	109.2	16560	989	3431	0	0	0	0	20	1355	0	42	1397
3900 HOUSING & EQUIP	13	7.1	12.6	1313	42	0	0	0	0	0	0	41660	1171	4	42835
4000 PEOPLE AS INDIVIDUALS	137	78.6	130.1	16418	1065	24177	0	0	0	0	0	2903	7	0	2910
4100 FAMILY MEMBERS	18	17.3	18.5	2790	43	71	0	0	0	0	0	1124	0	0	1124
4200 FARM AS BUSINESS	10	6.0	0.2	881	243	0	0	0	0	0	0	3869	0	0	3869
4300 SOC POLIT ORGANIZ	25	25.7	0.0	3324	325	220	0	0	0	0	0	10917	0	0	10918
4400 AGRIC ECONOMY U S	50	74.3	0.0	9439	1478	0	0	0	0	0	0	12351	0	0	12351
4500 AGRIC ECONOMY FORGN	46	91.2	0.0	11005	1346	0	0	0	0	0	464	2068	0	0	2068
4600 FARM COOPERATIVES	11	16.3	1.6	1589	14	0	0	0	0	0	0	23	0	0	23
4700 OTH MARKET PROCESS	1	0.0	0.0	0	23	0	0	0	0	0	0	2112	7	0	2119
4800 MARKETING SYSTEMS	17	14.5	0.3	1983	129	0	0	0	0	0	0	5884	36	4	5724
5100 WEEDS	62	31.7	47.3	5378	283	23	0	0	0	0	0	1614	0	0	1614
5200 SEED RESEARCH	10	8.4	14.0	1603	11	0	0	0	0	0	0	4012	21	0	4033
5300 BIO CELL SYSTEMS	33	22.2	21.4	2664	727	521	0	0	0	0	0	16	0	0	16
5400 EXP DESIGN/STAT METHOD	1	0.1	0.2	16	0	0	0	0	0	0	0	17273	108	0	17381
5500 INVERTEBRATES	140	91.0	106.8	12689	1785	2793	0	0	0	8	0	14250	115	10	14375
5600 MICROORGANISMS VIRUSES	151	57.7	61.8	7389	1868	5013	0	0	0	0	0	43447	689	39	44185
5700 PLANTS	339	184.9	235.0	30832	5877	6638	0	0	0	0	0	4421	33	0	4454
5800 ANIMALS(VERTEBRATES)	48	12.5	14.7	2081	942	1366	0	0	0	0	0	411	0	0	411
5900 RESEARCH ON RSCH MGMT	8	1.5	1.4	231	135	0	0	0	0	46	0	2341	3	0	2344
7000 RSCH EQUIP & TECHNOLOG	16	10.3	12.6	1847	15	479	0	0	0	0	0	433	114	0	547
9900 UNCLASSIFIED	2	3.8	4.8	433	0	0	0	0	0	0	0				
TOTAL		3936.9	5445.5	669938	56997	60476	0	0	0	14474	484	802389	11277	2700	816346

NATIONAL TOTAL USDA RESEARCH AGENCIES

TABLE III-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C SAES	CA CN	OTHER GT	SP O15	SP O10	FO SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUNDS	NON- FED FUNDS	TOTAL	
		I.M. SUPPORT SYS	YEARS OTHER													
SERIES 100																
101 APPRAIS OF SOIL RESOR	22	10.0	18.0	1897	186	0	0	0	0	0	0	1883	25	0	1908	
102 SOIL PLNT WTR NUTRI	191	170.8	250.6	26771	850	76	0	0	87	0	0	27784	327	6	28117	
103 MGMT DF SALINE SOILS	17	9.8	19.0	1794	73	25	0	0	0	0	0	1892	127	0	2019	
104 ALTERN USE OF LAND	22	28.1	3.9	3802	28	0	0	0	0	0	0	3830	34	2	3867	
105 CONSERV USE OF WATER	109	70.8	119.3	11548	312	80	0	0	12	0	0	11931	578	14	12523	
106 DRAIN AND IRRIGATION	20	20.0	29.9	3179	32	420	0	0	0	0	0	3830	122	0	3753	
107 WATERSHED PROT & MGMT	138	138.2	238.3	23919	247	101	0	0	0	456	0	24723	632	55	25410	
108 ECON LEG PROB DF WAT	3	8.0	0.0	1047	0	0	0	0	0	0	0	1047	0	0	1047	
109 WEATHER ADAPT & MOO	20	6.0	9.5	890	30	281	0	0	0	0	0	1301	65	3	1370	
110 APPRAIS FORST & RANGS	33	48.7	205.1	13134	0	2	0	0	898	0	0	14034	517	20	14571	
111 BIOL CULT MGMT FORSTS	151	157.3	194.0	21584	307	1158	0	0	1836	0	0	24885	647	365	25897	
112 IMPROV RANGE RESOR	65	52.0	70.0	7858	368	88	0	0	101	0	0	8517	115	6	8638	
113 REMOTE SENSING	13	14.6	19.6	2607	181	0	0	0	319	0	0	3106	0	0	3106	
114 RSCH DN MGMT DF RSCH	8	1.5	1.4	231	135	0	0	0	46	0	0	411	0	0	411	
SUBTOTAL		735.7	1176.7	120260	2749	2213	0	0	3755	0	0	128977	3190	471	132637	
SERIES 200																
201 CNTRL FORST INSECTS	102	83.9	87.4	12889	294	324	0	0	0	2596	0	18084	98	14	16196	
202 CONTRDL FOREST DIS	57	44.8	55.2	8103	4	60	0	0	0	905	0	9072	227	159	9458	
203 FOREST FIRE PROTECT	32	37.5	34.7	5728	0	0	0	0	0	549	0	6277	141	176	6594	
204 CNTR PESTS FRT & VEGS	183	67.2	142.0	14288	1284	831	0	0	0	0	0	16402	278	34	16714	
205 CNTR DISE FRT & VEG	188	83.0	138.3	13928	1914	281	0	0	0	0	0	16122	83	68	16273	
206 CNTR WEEDS FRT & VEG	45	11.5	18.9	1860	208	70	0	0	0	0	0	2236	0	0	2236	
207 CNTR PESTS FLD CROPS	239	161.2	256.7	25986	2103	449	0	0	0	0	0	28517	1255	9	29781	
208 CNTR DIS FIELD CROPS	227	120.8	183.2	18154	1384	108	0	0	0	0	0	19846	85	84	19795	
209 CNTR WEEDS FLD CROPS	122	68.8	95.7	11488	581	78	0	0	0	0	0	12146	178	5	12327	
210 CNTR PESTS ANIMALS	54	56.2	110.3	8870	369	115	0	0	0	0	0	9354	35	10	9399	
211 CNTR DIS ANIMALS	170	127.3	284.5	32662	6115	2403	0	0	0	0	0	41181	250	22	41453	
212 CNTR INTER PARASITES	29	34.0	73.0	7031	453	15	0	0	0	0	0	7499	0	94	7593	
213 PROT ANMLS FRDM TOXINS	16	28.1	42.3	4475	88	0	0	0	0	0	0	4551	0	6	4557	
214 PROTECT FRDM POLLUTION	43	24.4	20.8	5018	1379	50	0	0	0	1235	0	7680	189	1	7870	
SUBTOTAL		948.3	1521.1	170537	16172	4784	0	0	5285	0	0	196778	2797	681	200256	
SERIES 300																
301 GENET BREED FORST TRE	29	24.8	38.6	4354	150	160	0	0	0	213	0	4877	337	21	5235	
302 IMP FOREST ENG SYS	18	20.8	25.9	2838	416	0	0	0	0	147	0	3400	60	12	3472	
303 ECON TIMBER PRODUCTN	22	15.3	13.2	1661	180	0	0	0	0	283	0	2125	237	5	2367	
304 IMP BID EFF FRT & VEGS	189	80.7	178.3	18742	2375	781	0	0	0	0	0	21878	82	91	22052	
305 MECH PROD FRT & VEGS	6	3.2	4.6	666	14	0	0	0	0	0	0	679	2	0	681	
306 PROD MGMT SYS F & V	9	0.9	1.8	137	137	50	0	0	0	0	0	325	0	0	325	
307 IMP BID EFF FLD CRP	377	267.8	400.8	45482	4082	1513	0	0	0	0	0	51077	185	60	51323	
308 MECH PROD FIELD CROPS	20	14.6	21.7	2455	81	95	0	0	0	0	0	2641	1	0	2642	
309 PROD MGMT SYS FLD CRP	69	37.1	61.2	6434	350	0	0	0	0	0	0	6785	0	4	6788	
310 ANIMAL REPRODUCTION	85	35.5	47.6	8164	2471	2560	0	0	0	0	0	13195	9	0	13205	
311 IMP BID EFF ANML PR	140	97.7	148.1	22076	1845	507	0	0	0	0	0	24429	66	5	24500	
312 ENV STRESS IN ANML PR	15	10.8	16.0	2095	32	140	0	0	0	0	0	2268	0	0	2268	
313 PROD MGMT SYS ANML PR	18	8.3	7.2	1587	121	230	0	0	0	0	0	1918	0	0	1918	
314 BEES OTH POLLNTNG INS	29	31.1	49.4	4030	58	10	0	0	0	0	0	4088	52	0	4150	
315 IMP STRUC FARM SUPP	3	0.2	0.1	29	267	0	0	0	0	0	0	296	0	0	296	
316 FARM BUSINESS MGMT	7	4.2	0.2	617	95	0	0	0	0	0	0	712	0	0	712	
317 MECH/STRUCTS ANML PRO	1	0.4	0.5	100	0	0	0	0	0	0	0	100	0	0	100	
318 NON COM BID TECH/BIMET	353	208.9	240.3	29173	8495	14555	0	0	0	0	0	50224	273	10	50507	
SUBTOTAL		862.0	1255.6	150822	19181	20581	0	0	0	643	0	191027	1306	208	192542	
SERIES 400																
401 NEW IMP FOREST PROD	98	86.6	67.1	16403	2119	1511	0	0	0	1291	0	21324	378	969	22668	
402 PROD F & V IMP ACCEPT	61	25.7	35.8	4328	649	153	0	0	0	0	0	5130	11	57	5198	
403 NEW & IMP F & V PROD	20	28.4	24.7	4162	248	82	0	0	0	0	0	4493	0	0	4493	
404 MKT QUAL FRTS & VEGS	84	96.1	108.1	14038	823	17	0	0	0	0	0	14678	62	57	14797	
405 PRDO FLD CROP IMP ACPT	109	83.8	123.5	14122	516	155	0	0	0	0	0	14792	27	16	14835	
406 NEW IMP FOOD FLD CROP	27	38.4	45.2	6448	178	0	0	0	0	0	0	8824	18	8	8648	
407 NEW IMP NON FDDO FC	57	91.5	130.8	15328	482	353	0	0	0	0	0	16144	8	0	16152	
408 MKT QUAL FIELD CROPS	50	49.8	67.5	7759	10	70	0	0	0	0	0	7840	43	1	7884	
409 PROD ANML PR IMP ACPT	17	10.9	21.8	2344	289	99	0	0	0	0	0	2732	0	0	2732	
410 IMP MEAT MILK EGG PR	17	30.4	32.7	4888	375	0	0	0	0	0	0	5263	0	0	5263	
411 IMP NON FOOD ANML PR	8	14.0	19.1	2278	27	25	0	0	0	0	0	2331	0	0	2331	
412 MKT QUAL ANIMAL PROD	12	7.7	8.7	1480	1	8	0	0	0	0	0	1489	10	0	1499	
SUBTOTAL		563.2	684.9	93579	5495	2473	0	0	0	1291	0	102839	553	1108	104500	
SERIES 500																
501 IMP GRADES & STANDS	22	17.9	29.0	2975	68	125	0	0	0	0	0	3166	14	11	3191	
502 MKTG TIMBER PRODUCTS	3	0.6	0.8	101	270	0	0	0	0	127	0	488	0	0	488	
503 MKTG EFF AGRI PRODS	25	13.9	10.2	2160	172	51	0	0	0	0	0	2383	20	0	2402	
506 SPLY DEMAND AND PRIC	52	68.8	0.0	9103	210	0	0	0	0	0	10	9323	0	0	9323	
507 CDMP REL IN AGRIC	12	10.0	0.0	1497	103	0	0	0	0	0	0	1600	0	0	1600	
508 DOMESTIC MKT DEVELP	7	4.7	0.0	714	114	0	0	0	0	0	0	828	0	0	828	
509 PERFORMANCE MKTG SYS	35	37.6	1.2	4946	85	0	0	0	0	0	327	5358	7	0	5365	
510 GROUP ACT MKT POWER	4	5.1	0.6	497	28	0	0	0	0	0	137	663	0	0	663	
512 IMP GRADES FRST PROD	7	8.9	5.2	801	0	49	0	0	0	0	0	851	87	10	928	
513 PRICE ANAL FRST PROD	13	18.5	13.3	2320	0	0	0	0	0	453	0	2774	109	6	2889	
SUBTOTAL		186.0	60.2	25114	1048	226	0	0	0	580	474	27443	218	27	27687	
SERIES 600																
601 FGN MKT DEVELP	57	95.8	0.1	11559	3551	0	0	0	0	0	0	15109	0	0	15109	
602 EVAL FGN FDDO AID PGM	1	0.1	0.0	17	0	0	0	0	0	0	0	17	0	0	17	
603 TECH AID DEV CRTY	4	1.6	0.9	293	9	0	0	0	0	0	0	302	0	0	302	
604 PROD DVLPMT/MKTG FRGN	7	3.0	4.2	620	84	0	0	0	0	0	0	714	0	0	714	
SUBTOTAL		100.8	5.2	12489	3653	0	0	0	0	0	0	16142	0	0	16142	
SERIES 700																
701 TOX RES IN FOOD	54	14.9	33.8	3305	2302	534	0	0	0	0	0	6141	130	0	6272	
702 FOOD PROT FROM TOX	44	78.4	109.5	11864	108	297	0	0	0	0	0	12286	178	2	12444	
703 FDDO CONSUMP HABITS	33	20.8	43.6	4130	120	4382	0	0	0	0	10	8643	0	0	8643	
706 CNTR INSECTS AFF MAN	27	19.9	25.2	3287	159	2	0	0	0	0	0	3448	72	3	3523	
707 TRANS ANIML MAN DIS	8	0.9	0.5	107	0	0	0	0	0	0	0	107	25	0	132	
708 HUMAN NUTRITION	142	87.9	165.3	2212	1114	22938										

NATIONAL TOTAL USDA RESEARCH AGENCIES

TABLE III-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER CN GT	SP	FD	SP	FD	FORST SERV	OTHER USOA	TOTAL USOA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H.	SUPPORT YEARS SYS DTHR															
SERIES 800																		
801 RURAL HOUSING	4	5.2	9.5	943		0		0		0		0		0	943	0	42	985
802 INDIV & FAM DEC MAKING	6	3.9	7.7	567		19		0		0		0		0	586	0	0	586
803 RURAL POVERTY	1	0.0	0.0	0		19		0		0		0		0	19	0	0	19
804 ECON POTENT RURL PED	11	10.6	0.0	1218		33		67		0		0		0	1319	0	0	1319
805 COMMUNICAT EDUC PROC	4	1.5	0.0	228		9		0		0		0		0	237	0	0	237
806 ADJUSTMENT TO CHANGE	8	7.3	0.2	1454		66		0		0		0		0	1520	0	0	1520
807 AGRIC ECONOMIC CHANGE	33	42.3	0.0	5397		244		0		0		0		0	5641	0	0	5641
808 GOVT PROGRAMS	17	15.5	0.0	1894		81		0		0		0		0	1974	0	0	1974
SUBTOTAL		86.3	17.4	11701		471		67		0		0		0	12240	0	42	12281
SERIES 900																		
901 ALLEY POLLUTION	79	59.0	88.4	9369		948		52		0		0	1530		11898	173	6	12077
902 OUTDOOR RECREATION	18	19.6	8.2	2217		0		0		0		393			2610	139	58	2806
903 MULTI USE FOREST POTEN	17	16.3	21.9	1577		0		0		0		142			1719	397	10	2126
904 WDLFE AND FISH ECOL	80	60.4	69.3	10688		3013		1507		0		856			16154	715	17	15896
905 TREES BEAUTIFICATION	19	7.1	65.3	3644		7		18		0		0		0	3669	0	1	3570
906 ORNAMENT & TURF DEV	54	21.8	48.1	3942		167		2		0		0		0	4110	19	85	4194
907 RURAL INCOME IMP	9	8.5	0.0	1032		195		0		0		0		0	1227	0	0	1227
908 RURAL INSTITUT IMP	13	11.6	0.0	1634		95		195		0		0		0	1924	0	0	1924
990 UNCLASSIFIED	2	3.8	4.8	433		0		0		0		0		0	433	114	0	547
SUBTOTAL		208.2	306.0	34536		4424		1874		0		0	2920		43764	1556	157	45467
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		3936.9	5445.5	569938		56997		80476		0		0	14474		802359	11277	2700	816346

AGRICULTURAL COOPERATIVE SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER CN GT	SP	FD	SP	FD	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H.	SUPPORT YEARS															
4800 FARM COOPERATIVES	10	18.3	1.6	1589				0	0	0	0	0	0	464	2053	0	0	2053
TOTAL		18.3	1.6	1589				0	0	0	0	0	0	464	2053	0	0	2053

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AGRICULTURAL COOPERATIVE SERVICE

TABLE III-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER CN GT	SP	FD	SP	FD	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H.	SUPPORT YEARS															
SERIES 500																		
509 PERFORMANCE MKTG SYS	7	11.2	1.0	1092				0	0	0	0	0	0	327	1419	0	0	1419
510 GROUP ACT MKT POWER	3	5.1	0.6	497				0	0	0	0	0	0	137	834	0	0	834
SUBTOTAL		16.3	1.6	1589				0	0	0	0	0	0	464	2053	0	0	2053
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		16.3	1.6	1589				0	0	0	0	0	0	464	2053	0	0	2053

AGRICULTURAL RESEARCH SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF----- I.H. SUPPORT YEARS		REG IN HOUSE	C	G	CA	OTHER CN GT	SP	FD	SP	FD	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		SYS	OTHER															
0100 SOIL AND LAND	177	139.5	217.2	22808		190	46	0	0	0	0	0	0	0	23042	431	14	23487
0200 WATER	163	101.0	171.1	16525		280	110	0	0	0	0	0	0	0	16915	733	12	17660
0300 WATERSHEDS RIVER BAS	61	49.5	97.0	8496		0	56	0	0	0	0	0	0	0	8553	46	3	8601
0400 AIR AND CLIMATE	4	1.2	2.4	198		0	0	0	0	0	0	0	0	0	198	17	0	214
0500 RECREATION RESOURCES	2	0.3	0.1	36		0	0	0	0	0	0	0	0	0	36	3	0	40
0600 TIMBER FORST PRODUCT	43	18.1	52.5	3918		8	114	0	0	0	0	0	0	0	4040	39	2	4081
0700 RANGE	81	77.2	125.6	11852		158	1	0	0	0	0	0	0	0	11821	969	1	12791
0800 WILDLIFE AND FISH	12	12.3	16.5	1783		33	0	0	0	0	0	0	0	0	1817	6	0	1823
0900 CITRUS SUB TROP FRUT	93	78.6	139.4	14819		411	319	0	0	0	0	0	0	0	15549	157	73	15778
1000 FRUIT NUTS DECIDUOUS	170	124.6	243.3	22544		483	28	0	0	0	0	0	0	0	23056	136	143	23335
1100 POTATOES	64	38.0	61.9	7196		137	37	0	0	0	0	0	0	0	7370	11	0	7381
1200 VEGETABLES	209	127.4	184.8	22337		183	134	0	0	0	0	0	0	0	22654	103	29	22787
1300 ORNAMENTALS TURF	54	23.0	77.4	5506		0	0	0	0	0	0	0	0	0	5506	19	85	5590
1400 CORN	188	144.9	186.4	23066		357	24	0	0	0	0	0	0	0	23447	87	40	23554
1500 GRAIN SORGHUM	48	15.1	22.6	2877		25	0	0	0	0	0	0	0	0	2702	21	7	2730
1600 RICE	34	17.1	25.7	3051		54	0	0	0	0	0	0	0	0	3105	18	1	3124
1700 WHEAT	186	127.5	172.7	20717		396	105	0	0	0	0	0	0	0	21218	114	8	21340
1800 OTHER SMALL GRAINS	75	30.2	37.7	4596		69	0	0	0	0	0	0	0	0	4667	62	12	4741
1900 PASTURE	40	17.9	25.5	3056		51	0	0	0	0	0	0	0	0	3109	0	2	3112
2000 FORAGE CROPS	158	111.5	141.3	17797		216	94	0	0	0	0	0	0	0	18107	2	9	18118
2100 COTTON	145	169.6	308.1	30044		328	212	0	0	0	0	0	0	0	30584	133	20	30736
2200 COTTONSEED	16	15.9	20.0	2501		0	0	0	0	0	0	0	0	0	2501	3	0	2504
2300 SOYBEANS	168	152.8	186.8	22849		284	55	0	0	0	0	0	0	0	23168	76	25	23269
2400 PEANUTS	47	35.2	59.1	5655		85	40	0	0	0	0	0	0	0	5760	164	6	5930
2500 OTHER OILSEED CROPS	31	11.9	19.7	2283		339	6	0	0	0	0	0	0	0	2627	0	0	2627
2600 TOBACCO	33	24.3	42.8	5096		0	107	0	0	0	0	0	0	0	5203	0	6	5209
2700 SUGAR CROPS	40	47.7	107.4	9421		0	0	0	0	0	0	0	0	0	9421	0	62	9483
2800 MISC NEW CROPS	55	32.4	57.2	5931		0	52	0	0	0	0	0	0	0	5984	238	23	6245
2900 POULTRY	92	99.7	154.8	16841		47	189	0	0	0	0	0	0	0	16855	112	98	17065
3000 BEEF CATTLE	182	148.6	288.5	30880		329	274	0	0	0	0	0	0	0	31483	157	25	31665
3100 DAIRY CATTLE	154	112.3	210.5	24034		432	238	0	0	0	0	0	0	0	24704	162	7	24873
3200 SWINE	94	82.7	142.9	20449		0	84	0	0	0	0	0	0	0	20533	21	5	20559
3300 SHEEP AND WOOL	65	35.5	50.0	7957		4	0	0	0	0	0	0	0	0	7961	10	2	7974
3400 OTHER ANIMALS	18	9.6	13.5	1914		0	5	0	0	0	0	0	0	0	1918	0	0	1918
3500 BEES AND HONEY	27	30.4	49.4	3947		44	10	0	0	0	0	0	0	0	4001	52	0	4053
3600 FARM SUPP & FACILITS	2	2.3	2.3	319		0	0	0	0	0	0	0	0	0	319	0	0	319
3800 FOOD	41	38.2	60.8	11891		142	147	0	0	0	0	0	0	0	11980	35	0	12014
3900 HOUSING & EQUIP	7	1.9	3.1	369		0	0	0	0	0	0	0	0	0	369	0	0	369
4000 PEOPLE AS INDIVIDUALS	98	71.2	123.8	14917		294	20666	0	0	0	0	0	0	0	35876	1171	4	37051
4100 FAMILY MEMBERS	5	3.5	7.0	507		0	0	0	0	0	0	0	0	0	507	7	0	514
4200 FARM AS BUSINESS	2	1.0	0.2	203		41	0	0	0	0	0	0	0	0	244	0	0	244
4800 MARKETING SYSTEMS	1	0.1	0.1	16		0	0	0	0	0	0	0	0	0	16	0	0	16
6100 WEEDS	84	31.7	47.3	5376		15	4	0	0	0	0	0	0	0	5397	36	4	5436
6200 SEED RESEARCH	10	8.4	14.0	1603		11	0	0	0	0	0	0	0	0	1614	0	0	1614
6300 BIO CELL SYSTEMS	21	22.2	21.4	2884		0	0	0	0	0	0	0	0	0	2884	21	0	2885
6400 EXP DESIGN/STAT METHOD	1	0.1	0.2	16		0	0	0	0	0	0	0	0	0	16	0	0	16
6500 INVERTEBRATES	71	89.5	105.8	12434		15	152	0	0	0	0	0	0	0	12601	106	0	12707
6600 MICROORGANISMS VIRUSES	62	57.7	81.8	7389		34	0	0	0	0	0	0	0	0	7403	115	10	7528
6700 PLANTS	192	182.6	235.0	30557		281	501	0	0	0	0	0	0	0	31440	699	38	32178
6800 ANIMALS(VERTEBRATES)	15	11.5	14.7	1947		0	0	0	0	0	0	0	0	0	1947	33	0	1980
7000 RSCH EQUIP & TECHNOLOG	13	10.3	12.6	1847		0	0	0	0	0	0	0	0	0	1847	3	0	1850
9900 UNCLASSIFIED	2	3.8	4.8	433		0	0	0	0	0	0	0	0	0	433	114	0	547
TOTAL		2799.2	4418.7	494764		5736	23789	0	0	0	0	0	0	0	524288	6424	756	531468

AGRICULTURAL RESEARCH SERVICE

TABLE III-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF----- I.H. SUPPORT YEARS		REG IN HOUSE	C SAES	G CN	CA GT	OTHER SP	FO O15	SP O10	FO O10	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FUND	NON- FED FUND	TOTAL
		SYS	OTHER														
SERIES 100																	
101 APPRAIS OF SOIL RESOR	19	10.0	16.0	1897	47	0	0	0	0	0	0	0	0	1744	26	0	1789
102 SOIL PLNT WTR NUTRI	153	145.3	232.6	23800	89	28	0	0	0	0	0	0	0	23718	215	2	23932
103 MGMT OF SALINE SOILS	18	9.8	19.0	1794	7	25	0	0	0	0	0	0	0	1826	127	0	1953
104 ALTERN USE OF LAND	3	1.1	2.1	137	0	0	0	0	0	0	0	0	0	137	0	2	139
105 CONSERV USE OF WATER	103	87.5	117.8	11088	246	60	0	0	0	0	0	0	0	11373	567	14	11944
106 DRAIN AND IRRIGATION	17	20.0	29.9	3179	30	10	0	0	0	0	0	0	0	3218	122	0	3341
107 WATERSHED PROT & MGMT	86	91.8	167.9	18099	107	101	0	0	0	0	0	0	0	18307	289	6	18613
108 WEATHER ADAPT & MOD	14	4.1	6.9	789	17	1	0	0	0	0	0	0	0	787	85	2	855
110 APPRAIS FORST & RANGS	3	0.9	1.6	185	0	2	0	0	0	0	0	0	0	167	19	0	187
112 IMPROV RANGE RESOR	39	41.9	80.7	8472	50	0	0	0	0	0	0	0	0	8522	0	0	8522
113 REMOTE SENSING	11	14.8	19.6	2807	0	0	0	0	0	0	0	0	0	2607	0	0	2607
SUBTOTAL		407.0	674.0	67587	593	228	0	0	0	0	0	0	0	68406	1430	26	69862
SERIES 200																	
201 CNTRL FORST INSECTS	30	10.5	12.4	1596	12	94	0	0	0	0	0	0	0	1701	33	0	1734
202 CONTROL FOREST DIS	3	1.2	1.4	131	0	0	0	0	0	0	0	0	0	131	0	0	131
203 FOREST FIRE PROTECT	1	0.2	0.2	28	0	0	0	0	0	0	0	0	0	28	0	0	28
204 CNTR PESTS FRT & VEGS	132	67.2	142.0	14288	147	331	0	0	0	0	0	0	0	14766	278	34	15078
205 CNTR DISE FRT & VEG	135	83.0	136.3	13928	592	31	0	0	0	0	0	0	0	14551	83	68	14701
206 CNTR WEEDS FRT & VEG	33	11.5	16.9	1980	23	0	0	0	0	0	0	0	0	1983	0	0	1983
207 CNTR PESTS FLD CROPS	176	181.2	255.5	25983	192	100	0	0	0	0	0	0	0	28255	1233	9	27497
208 CNTR DIS FIELD CROPS	178	120.0	182.0	18054	134	18	0	0	0	0	0	0	0	18204	37	84	18325
209 CNTR WEEDS FLD CROPS	99	88.8	95.7	1488	196	4	0	0	0	0	0	0	0	11888	178	5	11888
210 CNTR PESTS ANIMALS	47	55.2	110.3	8270	0	85	0	0	0	0	0	0	0	8935	36	10	8980
211 CNTR DIS ANIMALS	101	127.3	284.5	32882	287	425	0	0	0	0	0	0	0	33354	260	22	33827
212 CNTR INTER PARASITES	25	34.0	73.0	7031	0	15	0	0	0	0	0	0	0	7048	0	94	7140
213 PROT ANMLS FROM TOXINS	14	26.1	42.3	4475	0	0	0	0	0	0	0	0	0	4475	0	5	4481
214 PROTECT FROM POLLUTION	17	11.8	10.8	1398	148	0	0	0	0	0	0	0	0	1516	170	1	1887
SUBTOTAL		780.8	1348.4	141841	1711	1081	0	0	0	0	0	0	0	144632	2295	332	147260
SERIES 300																	
304 IMP BID EFF FRT & VEGS	152	80.7	178.3	18742	335	184	0	0	0	0	0	0	0	19281	82	91	19435
305 MECH PROD FRT & VEGS	8	3.2	4.6	886	14	0	0	0	0	0	0	0	0	679	2	0	681
306 PROD MGMT SYS F & V	5	0.9	1.8	137	3	0	0	0	0	0	0	0	0	140	0	0	140
307 IMP BID EFF FLD CRP	325	287.8	400.8	45482	1084	107	0	0	0	0	0	0	0	46672	185	80	46918
308 MECH PROD FIELD CROPS	18	14.6	21.7	2455	38	95	0	0	0	0	0	0	0	2588	1	0	2589
309 PROD MGMT SYS FLD CRP	59	37.1	81.2	8434	40	0	0	0	0	0	0	0	0	8474	0	4	8478
310 ANIMAL REPRODUCTION	47	35.5	47.6	8164	20	0	0	0	0	0	0	0	0	8184	9	0	8193
311 IMP BID EFF ANML PR	118	97.7	148.1	22076	224	22	0	0	0	0	0	0	0	22322	66	5	22393
312 ENV STRESS IN ANML PR	13	10.8	16.0	2095	0	0	0	0	0	0	0	0	0	2095	0	0	2095
313 PROD MGMT SYS ANML PR	12	5.7	7.2	1359	0	0	0	0	0	0	0	0	0	1359	0	0	1359
314 BEES OTH POLLNTNG INS	27	30.4	49.4	3947	44	10	0	0	0	0	0	0	0	4001	52	0	4053
315 IMP STRUC FARM SUPP	1	0.2	0.1	29	0	0	0	0	0	0	0	0	0	29	0	0	29
316 FARM BUSINESS MGMT	2	1.0	0.2	203	41	0	0	0	0	0	0	0	0	244	0	0	244
317 MECH/STRUCTS ANML PRD	1	0.4	0.5	100	0	0	0	0	0	0	0	0	0	100	0	0	100
318 NON COM BIO TECH/BIMET	149	208.9	240.3	29173	81	215	0	0	0	0	0	0	0	29470	273	10	29753
SUBTOTAL		795.9	1177.9	141084	1922	833	0	0	0	0	0	0	0	143620	671	171	144462
SERIES 400																	
402 PROD F & V IMP ACCEPT	49	25.7	35.8	4328	82	153	0	0	0	0	0	0	0	4583	11	57	4631
403 NEW & IMP F & V PROD	15	28.4	24.7	4162	38	0	0	0	0	0	0	0	0	4200	0	0	4200
404 MKT QUAL FRTS & VEGS	74	95.1	108.1	14038	62	17	0	0	0	0	0	0	0	14117	62	57	14237
405 PROD FLD CROP IMP ACPT	106	83.8	123.5	14122	408	155	0	0	0	0	0	0	0	14684	27	16	14727
406 NEW IMP FOOD FLD CROP	25	38.4	45.2	6448	0	0	0	0	0	0	0	0	0	6448	16	8	6472
407 NEW IMP NON FOOD FC	50	91.5	130.8	15328	25	71	0	0	0	0	0	0	0	15425	8	0	15433
408 MKT QUAL FIELD CROPS	49	49.8	67.5	7759	9	70	0	0	0	0	0	0	0	7839	43	1	7882
409 PROD ANML PR IMP ACPP	11	10.9	21.8	2344	0	0	0	0	0	0	0	0	0	2344	0	0	2344
410 IMP MEAT MILK EGG PR	15	30.4	32.7	4888	300	0	0	0	0	0	0	0	0	5188	0	0	5188
411 IMP NON FOOD ANML PR	7	14.0	19.1	2279	0	0	0	0	0	0	0	0	0	2279	0	0	2279
412 MKT QUAL ANIMAL PROD	12	7.7	8.7	1480	1	8	0	0	0	0	0	0	0	1488	10	0	1499
SUBTOTAL		476.6	617.8	77177	924	475	0	0	0	0	0	0	0	78576	177	139	78892
SERIES 500																	
501 IMP GRADES & STANDS	21	17.9	29.0	2975	45	125	0	0	0	0	0	0	0	3145	14	11	3169
503 MKTG EFF AGRI PRODS	12	5.7	10.2	1166	0	51	0	0	0	0	0	0	0	1217	20	0	1237
SUBTOTAL		23.8	39.2	4140	45	177	0	0	0	0	0	0	0	4382	33	11	4406
SERIES 600																	
601 FGN MKT DEVELP	1	0.1	0.1	18	0	0	0	0	0	0	0	0	0	18	0	0	18
603 TECH AID DEV CRTY	1	0.3	0.9	110	0	0	0	0	0	0	0	0	0	110	0	0	110
604 PRD OVLPMT/MKTG FRGN	4	2.0	4.2	479	0	0	0	0	0	0	0	0	0	479	0	0	479
SUBTOTAL		2.5	5.2	806	0	0	0	0	0	0	0	0	0	806	0	0	806
SERIES 700																	
701 TOX RES IN FOOD	20	14.9	33.8	3305	0	178	0	0	0	0	0	0	0	3481	130	0	3611
702 FOOD PROT FROM TOX	41	75.9	100.5	11787	52	82	0	0	0	0	0	0	0	11931	178	2	12108
703 FOOD CONSUMP HABITS	4	5.3	8.5	1013	0	0	0	0	0	0	0	0	0	1013	0	0	1013
706 CNTR INSECTS AFF MAN	23	19.9	25.2	3287	0	2	0	0	0	0	0	0	0	3289	72	3	3364
707 TRANS ANML MAN DIS	8	0.9	0.5	107	0	0	0	0	0	0	0	0	0	107	25	0	132
708 HUMAN NUTRITION	98	80.7	134.8	20829	435	20801	0	0	0	0	0	0	0	42185	1085	1	43251
709 REDUCE HAZ HLTH & SFTY	25	25.8	49.3	5593	0	104	0	0	0	0	0	0	0	5898	171	0	5888
SUBTOTAL		223.4	352.7	48022	487	21175	0	0	0	0	0	0	0	57883	1859	6	59348
SERIES 800																	
802 INDIV & FAM DEC MAKING	4	3.8	7.3	529	0	0	0	0	0	0	0	0	0	529	0	0	529
806 ADJUSTMENT TO CHANGE	1	0.2	0.2	21	0	0	0	0	0	0	0	0	0	21	0	0	21
SUBTOTAL		4.0	7.5	550	0	0	0	0	0	0	0	0	0	550	0	0	550
SERIES 900																	

CSRS SPECIAL GRANTS

TABLE III-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	ND OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER	SP	FD	SP	FD	FORST	OTHER	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H.	SUPPORT YEARS															
		SYS	OTHER			SAES	CN	GT	O15	O10	SERV	USDA						
0100 SOIL AND LAND	18	0.0	0.0	0		1262	0	0	0	0	0	0	0	0	1262	0	0	1262
0200 WATER	4	0.0	0.0	0		205	0	0	0	0	0	0	0	0	205	0	0	205
0300 WATERSHEDS RIVER BAS	1	0.0	0.0	0		6	0	0	0	0	0	0	0	0	6	0	0	6
0600 TIMBER FORST PRODUCT	20	0.0	0.0	0		3474	0	0	0	0	0	0	0	0	3474	0	0	3474
0700 RANGE	15	0.0	0.0	0		408	108	0	0	0	0	0	0	0	517	0	0	517
0800 WILDLIFE AND FISH	17	0.0	0.0	0		3037	1580	0	0	0	0	0	0	0	4617	0	0	4617
0900 CITRUS SUB TROP FRUT	25	0.0	0.0	0		960	0	0	0	0	0	0	0	0	960	0	0	960
1000 FRUIT NUTS DECIDUOUS	31	0.0	0.0	0		1811	7	0	0	0	0	0	0	0	1818	0	0	1818
1100 POTATGES	39	0.0	0.0	0		1469	0	0	0	0	0	0	0	0	1469	0	0	1469
1200 VEGETABLES	51	0.0	0.0	0		2395	56	0	0	0	0	0	0	0	2451	0	0	2451
1300 ORNAMENTALS TURF	6	0.0	0.0	0		168	0	0	0	0	0	0	0	0	168	0	0	168
1400 CORN	8	0.0	0.0	0		230	0	0	0	0	0	0	0	0	230	0	0	230
1500 GRAIN SORGHUM	2	0.0	0.0	0		7	0	0	0	0	0	0	0	0	7	0	0	7
1600 RICE	1	0.0	0.0	0		3	0	0	0	0	0	0	0	0	3	0	0	3
1700 WHEAT	24	0.0	0.0	0		1108	0	0	0	0	0	0	0	0	1108	0	0	1108
1800 OTHER SMALL GRAINS	3	0.0	0.0	0		12	0	0	0	0	0	0	0	0	12	0	0	12
1900 PASTURE	3	0.0	0.0	0		71	0	0	0	0	0	0	0	0	71	0	0	71
2000 FORAGE CROPS	28	0.0	0.0	0		493	0	0	0	0	0	0	0	0	493	0	0	493
2100 COTTON	7	0.0	0.0	0		164	0	0	0	0	0	0	0	0	164	0	0	164
2300 SOYBEANS	19	0.0	0.0	0		1247	0	0	0	0	0	0	0	0	1247	0	0	1247
2400 PEANUTS	3	0.0	0.0	0		99	0	0	0	0	0	0	0	0	99	0	0	99
2500 OTHER DILSEED CROPS	4	0.0	0.0	0		659	0	0	0	0	0	0	0	0	659	0	0	659
2700 SUGAR CROPS	2	0.0	0.0	0		47	0	0	0	0	0	0	0	0	47	0	0	47
2800 MISC NEW CROPS	8	0.0	0.0	0		744	0	0	0	0	0	0	0	0	744	0	0	744
2900 POULTRY	11	0.0	0.0	0		1221	0	0	0	0	0	0	0	0	1221	0	0	1221
3000 BEEF CATTLE	37	0.0	0.0	0		2049	200	0	0	0	0	0	0	0	2249	0	0	2249
3100 DAIRY CATTLE	24	0.0	0.0	0		1419	0	0	0	0	0	0	0	0	1419	0	0	1419
3200 SWINE	20	0.0	0.0	0		1368	0	0	0	0	0	0	0	0	1368	0	0	1368
3300 SHEEP AND WOOL	11	0.0	0.0	0		565	0	0	0	0	0	0	0	0	565	0	0	565
3400 OTHER ANIMALS	8	0.0	0.0	0		612	0	0	0	0	0	0	0	0	612	0	0	612
3500 BEES AND HONEY	1	0.0	0.0	0		14	0	0	0	0	0	0	0	0	14	0	0	14
3600 FARM SUPP & FACILITS	3	0.0	0.0	0		274	0	0	0	0	0	0	0	0	274	0	0	274
3800 FOOD	8	0.0	0.0	0		797	0	0	0	0	0	0	0	0	797	0	0	797
3900 HOUSING & EQUIP	2	0.0	0.0	0		42	0	0	0	0	0	0	0	0	42	0	0	42
4000 PEOPLE AS INDIVIDUALS	6	0.0	0.0	0		238	0	0	0	0	0	0	0	0	238	0	0	238
4100 FAMILY MEMBERS	2	0.0	0.0	0		43	0	0	0	0	0	0	0	0	43	0	0	43
4200 FARM AS BUSINESS	2	0.0	0.0	0		202	0	0	0	0	0	0	0	0	202	0	0	202
4300 SOC POLIT ORGANIZ	6	0.0	0.0	0		325	0	0	0	0	0	0	0	0	325	0	0	325
4400 AGRIC ECONOMY U S	4	0.0	0.0	0		1478	0	0	0	0	0	0	0	0	1478	0	0	1478
4500 AGRIC ECONOMY FORGN	4	0.0	0.0	0		1346	0	0	0	0	0	0	0	0	1346	0	0	1346
4600 FARM COOPERATIVES	1	0.0	0.0	0		14	0	0	0	0	0	0	0	0	14	0	0	14
4700 OTH MARKET PROCESS	1	0.0	0.0	0		23	0	0	0	0	0	0	0	0	23	0	0	23
4800 MARKETING SYSTEMS	3	0.0	0.0	0		129	0	0	0	0	0	0	0	0	129	0	0	129
6100 WEEOS	6	0.0	0.0	0		103	20	0	0	0	0	0	0	0	123	0	0	123
6300 BIO CELL SYSTEMS	2	0.0	0.0	0		132	0	0	0	0	0	0	0	0	132	0	0	132
6500 INVERTEBRATES	9	0.0	0.0	0		131	0	0	0	0	0	0	0	0	131	0	0	131
6600 MICROORGANISMS VIRUSES	8	0.0	0.0	0		262	0	0	0	0	0	0	0	0	262	0	0	262
6700 PLANTS	43	0.0	0.0	0		2198	0	0	0	0	0	0	0	0	2198	0	0	2198
6800 ANIMALS(VERTEBRATES)	21	0.0	0.0	0		572	0	0	0	0	0	0	0	0	572	0	0	572
6900 RESEARCH ON RSCH MGMT	4	0.0	0.0	0		135	0	0	0	0	0	0	0	0	135	0	0	135
7000 RSCH EQUIP & TECHNOLOG	3	0.0	0.0	0		15	479	0	0	0	0	0	0	0	494	0	0	494
TOTAL		0.0	0.0	0		35781	2460	0	0	0	0	0	0	0	38231	0	0	38231

CSRS SPECIAL GRANTS

TABLE III-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF----- I.H. SUPPORT YEARS		REG IN HOUSE	C SALES	CA CN	OTHER GT	SP OIS	FD OIO	FORST SERV	OTHER USOA	TOTAL USOA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		SYS	OTHER												
SERIES 100															
101 APPRAIS OF SOIL RESOR	3	0.0	0.0	0	139	0	0	0	0	0	0	139	0	0	139
102 SOIL PLNT WTR NUTRI	9	0.0	0.0	0	761	0	0	0	0	0	0	761	0	0	761
104 ALTERN USE OF LAND	1	0.0	0.0	0	28	0	0	0	0	0	0	28	0	0	28
105 CONSERV USE OF WATER	2	0.0	0.0	0	67	0	0	0	0	0	0	67	0	0	67
106 DRAIN AND IRRIGATION	1	0.0	0.0	0	2	0	0	0	0	0	0	2	0	0	2
107 WATERSHED PROT & MGMT	2	0.0	0.0	0	140	0	0	0	0	0	0	140	0	0	140
109 WEATHER ADAPT & MOD	1	0.0	0.0	0	12	0	0	0	0	0	0	12	0	0	12
111 BIOL CULT MGMT FORSTS	3	0.0	0.0	0	115	0	0	0	0	0	0	115	0	0	115
112 IMPROV RANGE RESOR	9	0.0	0.0	0	318	89	0	0	0	0	0	407	0	0	407
113 REMOTE SENSING	1	0.0	0.0	0	181	0	0	0	0	0	0	181	0	0	181
114 RSCH ON MGMT OF RSCH	4	0.0	0.0	0	135	0	0	0	0	0	0	135	0	0	135
SUBTOTAL	1	0.0	0.0	0	1898	89	0	0	0	0	0	1987	0	0	1987
SERIES 200															
201 CNTRL FORST INSECTS	1	0.0	0.0	0	25	0	0	0	0	0	0	25	0	0	25
202 CONTROL FOREST DIS	1	0.0	0.0	0	4	0	0	0	0	0	0	4	0	0	4
204 CNTR PESTS FRT & VEG	46	0.0	0.0	0	1047	0	0	0	0	0	0	1047	0	0	1047
205 CNTR DISE FRT & VEG	48	0.0	0.0	0	1172	7	0	0	0	0	0	1179	0	0	1179
206 CNTR WEEDS FRT & VEG	9	0.0	0.0	0	69	0	0	0	0	0	0	69	0	0	69
207 CNTR PESTS FLD CROPS	47	0.0	0.0	0	1198	0	0	0	0	0	0	1198	0	0	1198
208 CNTR DIS FLD CROPS	43	0.0	0.0	0	1083	0	0	0	0	0	0	1083	0	0	1083
209 CNTR WEEDS FLD CROPS	21	0.0	0.0	0	309	39	0	0	0	0	0	348	0	0	348
210 CNTR PESTS ANIMALS	7	0.0	0.0	0	369	50	0	0	0	0	0	419	0	0	419
211 CNTR DIS ANIMALS	60	0.0	0.0	0	4769	150	0	0	0	0	0	4919	0	0	4919
212 CNTR INTER PARASITES	4	0.0	0.0	0	453	0	0	0	0	0	0	453	0	0	453
213 PROT ANMLS FROM TOXINS	2	0.0	0.0	0	86	0	0	0	0	0	0	86	0	0	86
214 PROTECT FROM POLLUTION	17	0.0	0.0	0	1231	0	0	0	0	0	0	1231	0	0	1231
SUBTOTAL	17	0.0	0.0	0	11814	246	0	0	0	0	0	12060	0	0	12060
SERIES 300															
301 GENET BREED FORST TRE	1	0.0	0.0	0	25	0	0	0	0	0	0	25	0	0	25
302 IMP FOREST ENG SYS	1	0.0	0.0	0	416	0	0	0	0	0	0	416	0	0	416
303 ECON TIMBER PRODUCTN	1	0.0	0.0	0	180	0	0	0	0	0	0	180	0	0	180
304 IMP BIO EFF FRT & VEG	29	0.0	0.0	0	1842	55	0	0	0	0	0	1898	0	0	1898
305 PROD MGMT SYS F & V	3	0.0	0.0	0	136	0	0	0	0	0	0	136	0	0	136
307 IMP BIO EFF FLD CRP	18	0.0	0.0	0	973	0	0	0	0	0	0	973	0	0	973
308 MECH PROD FLD CROPS	2	0.0	0.0	0	53	0	0	0	0	0	0	53	0	0	53
309 PROD MGMT SYS FLD CRP	10	0.0	0.0	0	311	0	0	0	0	0	0	311	0	0	311
310 ANIMAL REPRODUCTION	6	0.0	0.0	0	349	0	0	0	0	0	0	349	0	0	349
311 IMP BIO EFF ANML PR	11	0.0	0.0	0	505	0	0	0	0	0	0	505	0	0	505
312 ENV STRESS IN ANML PR	1	0.0	0.0	0	32	0	0	0	0	0	0	32	0	0	32
313 PROD MGMT SYS ANML PR	3	0.0	0.0	0	121	0	0	0	0	0	0	121	0	0	121
314 BEES OTH POLLNTNG INS	1	0.0	0.0	0	14	0	0	0	0	0	0	14	0	0	14
315 IMP STRUC FARM SUPP	2	0.0	0.0	0	267	0	0	0	0	0	0	267	0	0	267
316 FARM BUSINESS MGMT	1	0.0	0.0	0	54	0	0	0	0	0	0	54	0	0	54
318 NON COM BIO TECH/BIMET	6	0.0	0.0	0	257	479	0	0	0	0	0	736	0	0	736
SUBTOTAL	6	0.0	0.0	0	5633	535	0	0	0	0	0	6068	0	0	6068
SERIES 400															
401 NEW IMP FOREST PROD	11	0.0	0.0	0	1921	0	0	0	0	0	0	1921	0	0	1921
402 PROD F & V IMP ACCEPT	12	0.0	0.0	0	567	0	0	0	0	0	0	567	0	0	567
403 NEW & IMP F & V PROD	3	0.0	0.0	0	211	0	0	0	0	0	0	211	0	0	211
404 MKT QUAL FRTS & VEG	10	0.0	0.0	0	561	0	0	0	0	0	0	561	0	0	561
405 PROD FLD CROP IMP ACPT	3	0.0	0.0	0	108	0	0	0	0	0	0	108	0	0	108
406 NEW IMP FOOD FLD CROP	2	0.0	0.0	0	176	0	0	0	0	0	0	176	0	0	176
407 NEW IMP NON FOOD FC	4	0.0	0.0	0	437	0	0	0	0	0	0	437	0	0	437
408 MKT QUAL FIELD CROPS	1	0.0	0.0	0	1	0	0	0	0	0	0	1	0	0	1
409 PROD ANML PR IMP ACCP	4	0.0	0.0	0	289	0	0	0	0	0	0	289	0	0	289
410 IMP MEAT MILK EGG PR	2	0.0	0.0	0	76	0	0	0	0	0	0	76	0	0	76
411 IMP NON FOOD ANML PR	1	0.0	0.0	0	27	0	0	0	0	0	0	27	0	0	27
SUBTOTAL	1	0.0	0.0	0	4373	0	0	0	0	0	0	4373	0	0	4373
SERIES 500															
501 IMP GRADES & STANDS	1	0.0	0.0	0	21	0	0	0	0	0	0	21	0	0	21
502 MKTG TIMBER PRODUCTS	1	0.0	0.0	0	270	0	0	0	0	0	0	270	0	0	270
503 MKTG EFF AGRI PRODS	4	0.0	0.0	0	172	0	0	0	0	0	0	172	0	0	172
505 SPLY DEMAND AND PRIC	4	0.0	0.0	0	210	0	0	0	0	0	0	210	0	0	210
507 COMP REL IN AGRIC	3	0.0	0.0	0	103	0	0	0	0	0	0	103	0	0	103
508 DOMESTIC MKT DEVELP	3	0.0	0.0	0	114	0	0	0	0	0	0	114	0	0	114
509 PERFORMANCE MKTG SYS	2	0.0	0.0	0	85	0	0	0	0	0	0	85	0	0	85
510 GROUP ACT MKT POWER	1	0.0	0.0	0	28	0	0	0	0	0	0	28	0	0	28
SUBTOTAL	1	0.0	0.0	0	1003	0	0	0	0	0	0	1003	0	0	1003
SERIES 600															
601 FGN MKT DEVELP	8	0.0	0.0	0	3551	0	0	0	0	0	0	3551	0	0	3551
603 TECH AID DEV CRTY	1	0.0	0.0	0	9	0	0	0	0	0	0	9	0	0	9
604 PROD DVLPMT/MKTG FRGN	2	0.0	0.0	0	94	0	0	0	0	0	0	94	0	0	94
SUBTOTAL	1	0.0	0.0	0	3653	0	0	0	0	0	0	3653	0	0	3653
SERIES 700															
701 TOX RES IN FOOD	32	0.0	0.0	0	2302	0	0	0	0	0	0	2302	0	0	2302
702 FOOD PROT FROM TOX	1	0.0	0.0	0	54	0	0	0	0	0	0	54	0	0	54
703 FOOD CONSUMP HABITS	2	0.0	0.0	0	120	0	0	0	0	0	0	120	0	0	120
706 CONTR INSECTS AFF MAN	4	0.0	0.0	0	159	0	0	0	0	0	0	159	0	0	159
708 HUMAN NUTRITION	1	0.0	0.0	0	27	0	0	0	0	0	0	27	0	0	27
709 REDUCE HAZ HLTH & SFTY	1	0.0	0.0	0	3	0	0	0	0	0	0	3	0	0	3
SUBTOTAL	1	0.0	0.0	0	2664	0	0	0	0	0	0	2664	0	0	2664
SERIES 800															
802 INDIV & FAM DEC MAKING	1	0.0	0.0	0	19	0	0	0	0	0	0	19	0	0	19
803 RURAL POVERTY	1	0.0	0.0	0	19	0	0	0	0	0	0	19	0	0	19
804 ECON POTENT RURL PED	1	0.0	0.0	0	33	0	0	0	0	0	0	33	0	0	33
806 COMMUNICAT EDUC PROC	2	0.0	0.0	0	9	0	0	0	0	0	0	9	0	0	9
808 ADJUSTMENT TO CHANGE	2	0.0	0.0	0	66	0	0	0	0	0	0	66	0	0	66
807 AGRIC ECONOMIC CHANGE	3	0.0	0.0	0	244	0	0	0	0	0	0	244	0	0	244
808 GOVT PROGRAMS	2	0.0	0.0	0	81	0	0	0	0	0	0	81	0	0	81
SUBTOTAL	1	0.0	0.0	0	471	0	0	0	0	0	0	471	0	0	471
SERIES 900															
901 ALLEV POLLUTION	12	0.0	0.0	0	935	0	0	0	0	0	0	935	0	0	935
904 WOLFE AND FISH ECOL	15	0.0	0.0	0	2976	1580	0	0	0	0	0	4556	0	0	4556
905 TREES BEAUTIFICATION	1	0.0	0.0	0	3	0	0	0	0	0	0	3	0	0	3
906 ORNAMENT & TURF DEV	5	0.0	0.0	0	1										

COMPETITIVE RESEARCH GRANTS OFFICE

TABLE III-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER	SP	FD	SP	FD	FORST	OTHER	TOTAL USDA APPR	OTHER FED FUND	NDN- FED FUND	TOTAL
		I.H.	SUPPORT YEARS															
		SYS	OTHER				SAES	CN	GT	O15	O10	SERV	USDA					
0600 TIMBER FORST PRODUCT	33	0.0	0.0	0			863	2877	0	0	0	0	0	0	3540	0	0	3540
1100 POTATOES	2	0.0	0.0	0			109	0	0	0	0	0	0	0	109	0	0	109
1200 VEGETABLES	5	0.0	0.0	0			0	520	0	0	0	0	0	0	520	0	0	520
1400 CORN	12	0.0	0.0	0			746	666	0	0	0	0	0	0	1412	0	0	1412
1600 RICE	1	0.0	0.0	0			100	0	0	0	0	0	0	0	100	0	0	100
1700 WHEAT	6	0.0	0.0	0			680	0	0	0	0	0	0	0	680	0	0	680
1800 OTHER SMALL GRAINS	2	0.0	0.0	0			92	100	0	0	0	0	0	0	192	0	0	192
2000 FORAGE CROPS	2	0.0	0.0	0			88	80	0	0	0	0	0	0	168	0	0	168
2100 COTTON	1	0.0	0.0	0			90	0	0	0	0	0	0	0	90	0	0	90
2300 SOYBEANS	6	0.0	0.0	0			285	280	0	0	0	0	0	0	575	0	0	575
2900 POULTRY	12	0.0	0.0	0			703	1331	0	0	0	0	0	0	2035	0	0	2035
3000 BEEF CATTLE	23	0.0	0.0	0			1783	1210	0	0	0	0	0	0	2993	0	0	2993
3100 DAIRY CATTLE	8	0.0	0.0	0			486	91	0	0	0	0	0	0	577	0	0	577
3200 SWINE	12	0.0	0.0	0			908	868	0	0	0	0	0	0	1776	0	0	1776
3300 SHEEP AND WOOL	11	0.0	0.0	0			416	616	0	0	0	0	0	0	1032	0	0	1032
3400 OTHER ANIMALS	3	0.0	0.0	0			0	285	0	0	0	0	0	0	285	0	0	285
3800 FDDD	1	0.0	0.0	0			50	0	0	0	0	0	0	0	50	0	0	50
4000 PEOPLE AS INDIVIDUALS	16	0.0	0.0	0			533	1381	0	0	0	0	0	0	1914	0	0	1914
4100 FAMILY MEMBERS	1	0.0	0.0	0			0	64	0	0	0	0	0	0	64	0	0	64
6100 WEEDS	2	0.0	0.0	0			165	0	0	0	0	0	0	0	165	0	0	165
6300 BIO CELL SYSTEMS	10	0.0	0.0	0			595	621	0	0	0	0	0	0	1217	0	0	1217
6500 INVERTEBRATES	56	0.0	0.0	0			1639	2452	0	0	0	0	0	0	4090	0	0	4090
6600 MICROORGANISMS VIRUSES	81	0.0	0.0	0			1572	5013	0	0	0	0	0	0	6585	0	0	6585
6700 PLANTS	98	0.0	0.0	0			3397	5988	0	0	0	0	0	0	9386	0	0	9386
6800 ANIMALS (VERTEBRATES)	10	0.0	0.0	0			370	1365	0	0	0	0	0	0	1735	0	0	1735
TOTAL		0.0	0.0	0			15481	25819	0	0	0	0	0	0	41300	0	0	41300

COMPETITIVE RESEARCH GRANTS OFFICE

TABLE III-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PRDJ	-----STAFF-----		REG IN C HOUSE	G CA SAES	D THER CN GT	SP FD O15	SP FD O10	FDRST SERV	OTHER USDA	TOTAL USDA APPR	D THER FED FUND	NON- FED FUND	TOTAL
		1. H. SUPPORT SYS	YEARS OTHER											
SERIES 100														
103 MGMT DF SALINE SDILS	1	0.0	0.0	0	86	0	0	0	0	0	86	0	0	86
109 WEATHER ADAPT & MOD	1	0.0	0.0	0	0	90	0	0	0	0	90	0	0	90
111 BIDL CULT MGMT FORSTS	9	0.0	0.0	0	192	1168	0	0	0	0	1350	0	0	1350
SUBTOTAL		0.0	0.0	0	258	1248	0	0	0	0	1506	0	0	1506
SERIES 200														
201 CNTRL FORST INSECTS	7	0.0	0.0	0	258	230	0	0	0	0	488	0	0	488
202 CDNTRDL FDRST DIS	1	0.0	0.0	0	0	60	0	0	0	0	60	0	0	60
204 CNTR PESTS FRT & VEGS	1	0.0	0.0	0	90	0	0	0	0	0	90	0	0	90
205 CNTR DISE FRT & VEG	3	0.0	0.0	0	150	180	0	0	0	0	330	0	0	330
206 CNTR WEEDS FRT & VEG	3	0.0	0.0	0	115	70	0	0	0	0	185	0	0	185
207 CNTR PESTS FLD CROPS	14	0.0	0.0	0	713	336	0	0	0	0	1049	0	0	1049
208 CNTR DIS FIELD CROPS	3	0.0	0.0	0	168	80	0	0	0	0	248	0	0	248
209 CNTR WEEDS FLD CROPS	2	0.0	0.0	0	75	35	0	0	0	0	110	0	0	110
211 CDNTR DIS ANIMALS	17	0.0	0.0	0	1079	1628	0	0	0	0	2707	0	0	2707
214 PRDTECT FROM POLLUTION	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
SUBTOTAL		0.0	0.0	0	2647	2670	0	0	0	0	5317	0	0	5317
SERIES 300														
301 GENET BREED FORST TRE	2	0.0	0.0	0	125	160	0	0	0	0	285	0	0	285
304 IMP BID EFF FRT & VEGS	8	0.0	0.0	0	189	520	0	0	0	0	719	0	0	719
307 IMP BID EFF FLD CRP	34	0.0	0.0	0	2026	1405	0	0	0	0	3432	0	0	3432
310 ANIMAL REPRODUCTION	30	0.0	0.0	0	2102	2463	0	0	0	0	4564	0	0	4564
311 IMP BID EFF ANML PR	11	0.0	0.0	0	1117	485	0	0	0	0	1602	0	0	1602
312 ENV STRESS IN ANML PR	1	0.0	0.0	0	0	140	0	0	0	0	140	0	0	140
318 NDN CDM BID TECH/BIMET	197	0.0	0.0	0	6157	13671	0	0	0	0	19828	0	0	19828
SUBTOTAL		0.0	0.0	0	11726	18845	0	0	0	0	30570	0	0	30570
SERIES 400														
401 NEW IMP FDRST PRODD	14	0.0	0.0	0	198	1224	0	0	0	0	1422	0	0	1422
407 NEW IMP NON FODD FC	2	0.0	0.0	0	0	232	0	0	0	0	232	0	0	232
SUBTOTAL		0.0	0.0	0	198	1456	0	0	0	0	1654	0	0	1654
SERIES 700														
708 HUMAN NUTRITION	20	0.0	0.0	0	553	1801	0	0	0	0	2253	0	0	2253
SUBTOTAL		0.0	0.0	0	553	1801	0	0	0	0	2253	0	0	2253
SCIENCE IN SERV OF MAN														
GRAND TOTAL		0.0	0.0	0	15481	25818	0	0	0	0	41300	0	0	41300

ECONOMIC RESEARCH SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PRDJ	-----STAFF-----		REG IN C HOUSE	G SAES	CA CN	OTHER GT	SP O15	FD O10	SP FD	FD SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H.	SUPPORT YEARS SYS OTHER													
0100 SOIL AND LAND	18	23.4	0.0	3072	0	0	0	0	0	0	0	0	3072	0	0	3072
0200 WATER	15	15.6	0.0	2109	0	0	0	0	0	0	0	0	2109	0	0	2109
0300 WATERSHEDS RIVER BAS	3	1.9	0.0	254	0	0	0	0	0	0	0	0	254	0	0	254
0500 RECREATION RESOURCES	1	0.8	0.0	119	0	0	0	0	0	0	0	0	119	0	0	119
0800 CITRUS SUB TROP FRUIT	4	1.8	0.0	237	0	0	0	0	0	0	0	0	237	0	0	237
1000 FRUIT NUTS DECIDUOUS	3	1.9	0.0	256	0	0	0	0	0	0	0	0	256	0	0	256
1100 POTATOES	2	3.5	0.0	381	0	0	0	0	0	0	0	0	381	0	0	381
1200 VEGETABLES	5	3.2	0.0	412	0	0	0	0	0	0	0	0	412	0	0	412
1300 ORNAMENTALS TURF	1	0.6	0.0	81	0	0	0	0	0	0	0	0	81	0	0	81
1400 CORN	9	4.4	0.0	571	0	0	0	0	0	0	0	0	571	0	0	571
1500 GRAIN SORGHUM	7	1.4	0.0	200	0	0	0	0	0	0	0	0	200	0	0	200
1600 RICE	5	2.1	0.0	250	0	0	0	0	0	0	0	0	250	0	0	250
1700 WHEAT	10	5.9	0.0	795	0	0	0	0	0	0	0	0	795	0	0	795
1800 OTHER SMALL GRAINS	7	1.9	0.0	276	0	0	0	0	0	0	0	0	276	0	0	276
1900 PASTURE	2	0.3	0.0	45	0	0	0	0	0	0	0	0	45	0	0	45
2000 FORAGE CROPS	3	0.7	0.0	99	0	0	0	0	0	0	0	0	99	0	0	99
2100 COTTON	9	4.6	0.0	668	0	0	0	0	0	0	0	0	668	0	0	668
2200 COTTONSEED	1	0.2	0.0	27	0	0	0	0	0	0	0	0	27	0	0	27
2300 SOYBEANS	7	4.6	0.0	680	0	0	0	0	0	0	0	0	680	0	0	680
2400 PEANUTS	2	0.2	0.0	32	0	0	0	0	0	0	0	0	32	0	0	32
2500 OTHER OILSEED CROPS	3	1.2	0.0	174	0	0	0	0	0	0	0	0	174	0	0	174
2600 TOBACCO	2	3.4	0.0	380	0	0	0	0	0	0	0	0	380	0	0	380
2700 SUGAR CROPS	4	5.4	0.0	784	0	0	0	0	0	0	0	0	784	0	0	784
2800 POULTRY	4	5.1	0.0	788	0	0	0	0	0	0	0	0	788	0	0	788
3000 BEEF CATTLE	4	6.6	0.0	1028	0	0	0	0	0	0	0	0	1028	0	0	1028
3100 DAIRY CATTLE	7	8.1	0.0	1085	0	0	0	0	0	0	0	0	1085	0	0	1085
3200 SWINE	5	5.7	0.0	738	0	0	0	0	0	0	0	0	738	0	0	738
3300 SHEEP AND WOOL	4	1.9	0.0	278	0	0	0	0	0	0	0	0	278	0	0	278
3500 BEES AND HONEY	1	0.7	0.0	83	0	0	0	0	0	0	0	0	83	0	0	83
3600 FARM SUPP & FACILITS	3	7.4	0.0	972	0	0	0	0	0	0	0	0	972	0	0	972
3700 CLOTHING & TEXTILES	2	0.8	0.0	109	0	0	0	0	0	0	0	0	109	0	0	109
3800 FOOD	8	12.5	0.0	1784	0	0	0	0	0	0	0	20	1784	0	0	1784
4000 PEOPLE AS INDIVIDUALS	6	5.8	0.0	1082	0	0	0	0	0	0	0	0	1082	0	0	1082
4100 FAMILY MEMBERS	7	9.8	0.0	1440	0	0	0	0	0	0	0	0	1440	0	0	1440
4200 FARM AS BUSINESS	6	5.0	0.0	878	0	0	0	0	0	0	0	0	878	0	0	878
4300 SOC POLIT ORGANIZ	17	25.7	0.0	3324	0	0	0	0	0	0	0	0	3324	0	0	3324
4400 AGRIC ECONOMY U S	46	74.3	0.0	9439	0	0	0	0	0	0	0	0	9439	0	0	9439
4500 AGRIC ECONOMY FORGN	42	91.2	0.0	11005	0	0	0	0	0	0	0	0	11005	0	0	11005
4800 MARKETING SYSTEMS	12	14.2	0.0	1947	0	0	0	0	0	0	0	0	1947	7	0	1954
5700 PLANTS	2	2.3	0.0	275	0	0	0	0	0	0	0	0	275	0	0	275
5800 ANIMALS(VERTEBRATES)	1	1.0	0.0	134	0	0	0	0	0	0	0	0	134	0	0	134
5900 RESEARCH ON RSCH MGMT	1	0.5	0.0	51	0	0	0	0	0	0	0	0	51	0	0	51
TOTAL		367.8	0.0	48181	0	0	0	0	0	0	0	20	48201	7	0	48208

ECONOMIC RESEARCH SERVICE

TABLE III-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER	SP	FD	SP	FD	FORST	OTHER	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H.	SUPPORT YEARS															
		SYS	OTHER		SAES	CH	GT		015	010								
SERIES 100																		
102 SOIL PLNT WTR NUTRI	5	4.5	0.0	850	0	0	0	0	0	0	0	0	0	0	850	0	0	850
104 ALTERN USE OF LAND	15	26.0	0.0	3438	0	0	0	0	0	0	0	0	0	0	3438	0	0	3438
105 CONSERV USE OF WATER	3	2.3	0.0	295	0	0	0	0	0	0	0	0	0	0	295	0	0	295
108 ECON LEG PROB OF WAT	3	8.0	0.0	1047	0	0	0	0	0	0	0	0	0	0	1047	0	0	1047
114 RSCH ON MGMT OF RSCH	1	0.5	0.0	51	0	0	0	0	0	0	0	0	0	0	51	0	0	51
SUBTOTAL		41.4	0.0	5481	0	0	0	0	0	0	0	0	0	0	5481	0	0	5481
SERIES 200																		
214 PROTECT FROM POLLUTION	1	0.1	0.0	29	0	0	0	0	0	0	0	0	0	0	29	0	0	29
SUBTOTAL		0.1	0.0	29	0	0	0	0	0	0	0	0	0	0	29	0	0	29
SERIES 300																		
313 PROD MGMT SYS ANML PR	2	1.6	0.0	208	0	0	0	0	0	0	0	0	0	0	208	0	0	208
314 BEES OTH POLLNTNG INS	1	0.7	0.0	83	0	0	0	0	0	0	0	0	0	0	83	0	0	83
316 FARM BUSINESS MGMT	4	3.2	0.0	414	0	0	0	0	0	0	0	0	0	0	414	0	0	414
SUBTOTAL		5.5	0.0	705	0	0	0	0	0	0	0	0	0	0	705	0	0	705
SERIES 500																		
503 MKTG EFF AGRI PRODS	9	8.2	0.0	994	0	0	0	0	0	0	0	0	0	0	994	0	0	994
506 SPLY DEMAND AND PRIC	48	88.8	0.0	9103	0	0	0	0	0	0	0	0	0	10	9113	0	0	9113
507 COMP REL IN AGRIC	9	10.0	0.0	1497	0	0	0	0	0	0	0	0	0	0	1497	0	0	1497
508 DOMESTIC MKT DEVELP	4	4.7	0.0	714	0	0	0	0	0	0	0	0	0	0	714	0	0	714
509 PERFORMANCE MKTG SYS	25	26.2	0.0	3835	0	0	0	0	0	0	0	0	0	0	3835	7	0	3842
SUBTOTAL		117.9	0.0	16143	0	0	0	0	0	0	0	0	0	10	16153	7	0	16160
SERIES 600																		
601 FGN MKT DEVELP	48	95.7	0.0	11541	0	0	0	0	0	0	0	0	0	0	11541	0	0	11541
602 EVAL FGN FOOD AID PGM	1	0.1	0.0	17	0	0	0	0	0	0	0	0	0	0	17	0	0	17
603 TECH AID DEV CRTY	2	1.3	0.0	184	0	0	0	0	0	0	0	0	0	0	184	0	0	184
604 PRD DVLPMT/MKTG FRGN	1	1.0	0.0	141	0	0	0	0	0	0	0	0	0	0	141	0	0	141
SUBTOTAL		98.1	0.0	11882	0	0	0	0	0	0	0	0	0	0	11882	0	0	11882
SERIES 700																		
702 FOOD PROT FROM TOX	1	0.5	0.0	77	0	0	0	0	0	0	0	0	0	0	77	0	0	77
703 FOOD CONSUMP HABITS	6	3.9	0.0	586	0	0	0	0	0	0	0	0	0	10	596	0	0	596
708 HUMAN NUTRITION	2	0.5	0.0	83	0	0	0	0	0	0	0	0	0	0	83	0	0	83
SUBTOTAL		4.9	0.0	747	0	0	0	0	0	0	0	0	0	10	757	0	0	757
SERIES 800																		
804 ECON POTENT RURL PED	8	10.6	0.0	1218	0	0	0	0	0	0	0	0	0	0	1218	0	0	1218
805 COMMUNICAT EDUC PROC	2	1.5	0.0	228	0	0	0	0	0	0	0	0	0	0	228	0	0	228
806 ADJUSTMENT TO CHANGE	5	7.0	0.0	1433	0	0	0	0	0	0	0	0	0	0	1433	0	0	1433
807 AGRIC ECONOMIC CHANGE	30	42.3	0.0	5397	0	0	0	0	0	0	0	0	0	0	5397	0	0	5397
808 GOVT PROGRAMS	15	15.5	0.0	1894	0	0	0	0	0	0	0	0	0	0	1894	0	0	1894
SUBTOTAL		76.9	0.0	10170	0	0	0	0	0	0	0	0	0	0	10170	0	0	10170
SERIES 900																		
901 ALLEV POLLUTION	1	0.0	0.0	4	0	0	0	0	0	0	0	0	0	0	4	0	0	4
902 OUTDOOR RECREATION	1	0.9	0.0	119	0	0	0	0	0	0	0	0	0	0	119	0	0	119
904 WDLFE AND FISH ECDL	1	1.3	0.0	154	0	0	0	0	0	0	0	0	0	0	154	0	0	154
906 ORNAMENT & TURF DEV	1	0.6	0.0	81	0	0	0	0	0	0	0	0	0	0	81	0	0	81
907 RURAL INCOME IMP	4	8.5	0.0	1032	0	0	0	0	0	0	0	0	0	0	1032	0	0	1032
908 RURAL INSTITUT IMP	9	11.6	0.0	1634	0	0	0	0	0	0	0	0	0	0	1634	0	0	1634
SUBTOTAL		22.9	0.0	3025	0	0	0	0	0	0	0	0	0	0	3025	0	0	3025
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		387.8	0.0	48181	0	0	0	0	0	0	0	0	0	20	48201	7	0	48208

U S FOREST SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----										TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H. SUPPORT YEARS		REG IN	C	G	CA	OTHER	SP	FD	SP				
		SYS	OTHER	HOUSE	SAES	CN	GT	O15	O10	SERV	USDA				
0100 SOIL AND LAND	19	13.3	18.8	2023	0	0	0	0	0	738	0	2781	121	2	2883
0200 WATER	9	8.1	8.9	1172	0	0	0	0	0	56	0	1229	21	0	1249
0300 WATERSHEDS RIVER BAS	51	42.5	61.5	7141	0	0	0	0	0	534	0	7875	387	49	8111
0400 AIR AND CLIMATE	10	5.1	8.3	827	0	0	0	0	0	254	0	1081	109	0	1190
0500 RECREATION RESOURCES	17	19.4	10.2	2335	0	0	0	0	0	483	0	2797	139	84	3000
0600 TIMBER FORST PRODUCT	451	570.3	755.7	94173	0	0	0	0	11131	0	105304	3084	1878	110045	
0700 RANGE	36	21.3	24.9	2994	0	0	0	0	0	260	0	3254	284	96	3834
0800 WILDLIFE AND FISH	62	47.2	61.7	8973	0	0	0	0	0	886	0	9858	720	15	10693
0900 HOUSING & EQUIP	4	5.2	8.5	943	0	0	0	0	0	0	0	943	0	42	985
4800 MARKETING SYSTEMS	1	0.2	0.2	19	0	0	0	0	0	0	0	19	0	0	19
6500 INVERTEBRATES	3	1.6	1.0	255	0	0	0	0	0	6	0	261	1	0	263
6900 RESEARCH ON RSCH MGMT	3	1.0	1.4	180	0	0	0	0	0	46	0	226	0	0	226
TOTAL		735.1	959.1	121036	0	0	0	0	0	14474	0	135510	4846	1943	142299

U S FOREST SERVICE

TABLE III-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER CN	GT	SP O15	FD O10	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H. SUPPORT SYS	YEARS OTHER														
SERIES 100																	
102 SOIL PLNT WTR NUTRI	23	20.9	18.0	2520			0	0	0	0	0	87	0	2608	112	4	2724
104 ALTERN USE OF LAND	3	1.0	1.8	227			0	0	0	0	0	0	0	227	34	0	261
105 CONSERV USE OF WATER	1	0.8	1.7	184			0	0	0	0	0	12	0	196	21	0	217
107 WATERSHED PROT & MGMT	50	46.4	70.4	7820			0	0	0	0	0	456	0	8276	333	48	8658
109 WEATHER ADAPT & MOD	3	1.9	2.5	222			0	0	0	0	0	0	0	222	0	1	222
110 APPRAIS FORST & RANGS	30	47.8	203.4	12989			0	0	0	0	0	898	0	13867	498	20	14384
111 BIOL CULT MGMT FORSTS	139	157.3	194.0	21584			0	0	0	0	0	1836	0	23420	647	385	24432
112 IMPROV RANGE RESOR	17	10.2	9.3	1486			0	0	0	0	0	101	0	1588	115	6	1709
113 REMOTE SENSING	1	0.0	0.0	0			0	0	0	0	0	319	0	319	0	0	319
114 RSCH ON MGMT OF RSCH	3	1.0	1.4	180			0	0	0	0	0	46	0	226	0	0	226
SUBTOTAL		287.3	502.7	47193			0	0	0	0	0	3755	0	50948	1759	445	53152
SERIES 200																	
201 CNTRL FORST INSECTS	84	73.4	75.0	11274			0	0	0	0	0	2596	0	13870	85	14	13949
202 CONTROL FOREST DIS	52	43.4	53.9	7972			0	0	0	0	0	905	0	8877	227	159	9263
203 FOREST FIRE PROTECT	31	37.3	34.4	5700			0	0	0	0	0	549	0	6250	141	176	6667
207 CNTR PESTS FLD CROPS	1	0.0	0.2	3			0	0	0	0	0	0	0	3	22	0	25
208 CNTR DIS FIELD CROPS	2	0.8	1.2	100			0	0	0	0	0	0	0	100	28	0	127
214 PROTECT FROM POLLUTION	7	12.7	10.0	3619			0	0	0	0	0	1235	0	4853	19	0	4873
SUBTOTAL		187.5	174.7	28667			0	0	0	0	0	5285	0	33953	502	349	34804
SERIES 300																	
301 GENET BREED FORST TRE	26	24.6	38.6	4354			0	0	0	0	0	213	0	4567	337	21	4925
302 IMP FOREST ENG SYS	15	20.8	25.9	2838			0	0	0	0	0	147	0	2985	60	12	3056
303 ECON TIMBER PRODUCTN	21	15.3	13.2	1861			0	0	0	0	0	283	0	1944	237	5	2186
SUBTOTAL		60.8	77.7	8853			0	0	0	0	0	643	0	9496	635	38	10168
SERIES 400																	
401 NEW IMP FOREST PROD	89	86.8	87.1	18403			0	0	0	0	0	1291	0	17894	376	989	19038
SUBTOTAL		86.8	87.1	18403			0	0	0	0	0	1291	0	17894	376	989	19038
SERIES 500																	
502 MKTG TIMBER PRODUCTS	2	0.6	0.8	101			0	0	0	0	0	127	0	228	0	0	228
509 PERFORMANCE MKTG SYS	1	0.2	0.2	19			0	0	0	0	0	0	0	19	0	0	19
512 IMP GRADES FRST PROD	6	8.9	5.2	801			0	0	0	0	0	0	0	801	67	10	879
513 PRICE ANAL FRST PROD	13	18.5	13.3	2320			0	0	0	0	0	453	0	2774	109	5	2889
SUBTOTAL		28.2	19.5	3242			0	0	0	0	0	580	0	3823	176	16	4015
SERIES 800																	
801 RURAL HOUSING	4	5.2	9.5	943			0	0	0	0	0	0	0	943	0	42	985
SUBTOTAL		5.2	9.5	943			0	0	0	0	0	0	0	943	0	42	985
SERIES 900																	
901 ALLEY POLLUTION	26	14.6	17.9	2650			0	0	0	0	0	1530	0	4180	148	0	4328
902 OUTDOOR RECREATION	16	18.3	8.2	2062			0	0	0	0	0	393	0	2455	139	58	2651
903 MULTI USE FOREST POTEN	17	16.3	21.9	1577			0	0	0	0	0	142	0	1719	397	10	2126
904 WDLFE AND FISH ECOL	55	49.3	59.0	9277			0	0	0	0	0	856	0	10132	715	17	10864
905 TREES BEAUTIFICATION	3	1.1	0.9	168			0	0	0	0	0	0	0	168	0	0	168
SUBTOTAL		99.6	107.9	15734			0	0	0	0	0	2820	0	18654	1398	85	20137
SCIENCE IN SERV OF MAN																	
GRAND TOTAL		735.1	959.1	121036			0	0	0	0	0	14474	0	135510	4846	1943	142299

HUMAN NUTRITION INFORMATION SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF----- I.H. SUPPORT YEARS		REG IN HOUSE	C	G	CA	OTHER CN GT	SP	FD	SP	FD	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		SYS	OTHER															
0800 WILDLIFE AND FISH	3	0.0	0.0	0	0	0	16	0	0	0	0	0	0	0	16	0	0	16
0900 CITRUS SUB TROP FRUT	3	0.0	0.0	0	0	0	28	0	0	0	0	0	0	0	28	0	0	28
1000 FRUIT NUTS DECIDUOUS	4	0.0	0.0	0	0	0	13	0	0	0	0	0	0	0	13	0	0	13
1100 POTATOES	1	0.0	0.0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	2
1200 VEGETABLES	8	0.0	0.0	0	0	0	41	0	0	0	0	0	0	0	41	0	0	41
1400 CORN	2	0.0	0.0	0	0	0	3	0	0	0	0	0	0	0	3	0	0	3
1800 RICE	2	0.0	0.0	0	0	0	5	0	0	0	0	0	0	0	5	0	0	5
1700 WHEAT	6	0.0	0.0	0	0	0	33	0	0	0	0	0	0	0	33	0	0	33
1800 OTHER SMALL GRAINS	3	0.0	0.0	0	0	0	7	0	0	0	0	0	0	0	7	0	0	7
2300 SOYBEANS	1	0.0	0.0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	4
2400 PEANUTS	1	0.0	0.0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	4
2500 OTHER OILSEED CROPS	2	0.0	0.0	0	0	0	5	0	0	0	0	0	0	0	5	0	0	5
2700 SUGAR CROPS	1	0.0	0.0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1
2800 POULTRY	4	0.0	0.0	0	0	0	32	0	0	0	0	0	0	0	32	0	0	32
3000 BEEF CATTLE	1	0.0	0.0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	4
3100 DAIRY CATTLE	4	0.0	0.0	0	0	0	28	0	0	0	0	0	0	0	28	0	0	28
3200 SWINE	2	0.0	0.0	0	0	0	7	0	0	0	0	0	0	0	7	0	0	7
3400 OTHER ANIMALS	1	0.0	0.0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1
3800 FOOD	27	12.9	48.4	3105	0	0	2590	0	0	0	0	0	0	0	5695	0	0	5695
4000 PEOPLE AS INDIVIDUALS	9	1.8	6.3	420	0	0	1937	0	0	0	0	0	0	0	2357	0	0	2357
4100 FAMILY MEMBERS	3	4.0	11.4	843	0	0	7	0	0	0	0	0	0	0	850	0	0	850
6700 PLANTS	1	0.0	0.0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1
6800 ANIMALS(VERTEBRATES)	1	0.0	0.0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1
TOTAL		18.5	66.1	4368	0	0	4768	0	0	0	0	0	0	0	9136	0	0	9136

HUMAN NUTRITION INFORMATION SERVICE

TABLE III-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF----- I.H. SUPPORT YEARS		REG IN HOUSE	C	G	CA	OTHER CN GT	SP	FD	SP	FD	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		SYS	OTHER															
SERIES 700																		
703 FOOD CONSUMP HABITS	21	11.7	35.1	2531	0	0	4382	0	0	0	0	0	0	0	6913	0	0	6913
708 HUMAN NUTRITION	20	6.7	30.5	1799	0	0	386	0	0	0	0	0	0	0	2185	0	0	2185
SUBTOTAL		18.3	65.7	4330	0	0	4768	0	0	0	0	0	0	0	9098	0	0	9098
SERIES 800																		
802 INDIV & FAM DEC MAKING	1	0.2	0.4	38	0	0	0	0	0	0	0	0	0	0	38	0	0	38
SUBTOTAL		0.2	0.4	38	0	0	0	0	0	0	0	0	0	0	38	0	0	38
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		18.5	66.1	4368	0	0	4768	0	0	0	0	0	0	0	9136	0	0	9136

SMALL BUSINESS INNOVATIVE RESEARCH GRANTS

TABLE III-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF----- I.H. SUPPORT YEARS	REG IN	C	G	CA	OTHER	SP	FD	SP	FD	FORST	OTHER	TOTAL	OTHER	NON-	
		SYS OTHER	HOUSE	SAES	EN	GT	O15	O10	SERV	USDA	APPR	FUND	FUND				TOTAL
0100 SOIL AND LAND	3	0.0 0.0	0	0	0	330	0	0	0	0	330	0	0	330	0	0	330
0200 WATER	1	0.0 0.0	0	0	0	180	0	0	0	0	180	0	0	180	0	0	180
0800 TIMBER FORST PRODUCT	5	0.0 0.0	0	0	0	336	0	0	0	0	336	0	0	336	0	0	336
0800 WILDLIFE AND FISH	1	0.0 0.0	0	0	0	27	0	0	0	0	27	0	0	27	0	0	27
0900 CITRUS SUB TRDP FRUT	2	0.0 0.0	0	0	0	100	0	0	0	0	100	0	0	100	0	0	100
1000 FRUIT NUTS DECIDUOUS	1	0.0 0.0	0	0	0	190	0	0	0	0	190	0	0	190	0	0	190
1200 VEGETABLES	2	0.0 0.0	0	0	0	440	0	0	0	0	440	0	0	440	0	0	440
2800 MISC NEW CROPS	1	0.0 0.0	0	0	0	50	0	0	0	0	50	0	0	50	0	0	50
2900 POULTRY	2	0.0 0.0	0	0	0	198	0	0	0	0	198	0	0	198	0	0	198
3000 BEEF CATTLE	1	0.0 0.0	0	0	0	50	0	0	0	0	50	0	0	50	0	0	50
3200 SWINE	2	0.0 0.0	0	0	0	280	0	0	0	0	280	0	0	280	0	0	280
3400 OTHER ANIMALS	1	0.0 0.0	0	0	0	25	0	0	0	0	25	0	0	25	0	0	25
3800 FOOD	5	0.0 0.0	0	0	0	695	0	0	0	0	695	0	0	695	0	0	695
4000 PEOPLE AS INDIVIDUALS	2	0.0 0.0	0	0	0	192	0	0	0	0	192	0	0	192	0	0	192
4300 SOC PDILT ORGANIZ	2	0.0 0.0	0	0	0	220	0	0	0	0	220	0	0	220	0	0	220
6500 INVERTEBRATES	1	0.0 0.0	0	0	0	190	0	0	0	0	190	0	0	190	0	0	190
6700 PLANTS	3	0.0 0.0	0	0	0	147	0	0	0	0	147	0	0	147	0	0	147
TOTAL		0.0 0.0	0	0	0	3649	0	0	0	0	3649	0	0	3649	0	0	3649

SMALL BUSINESS INNOVATIVE RESEARCH GRANTS

TABLE III-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF----- I.H. SUPPORT YEARS	REG IN	C	G	CA	OTHER	SP	FD	SP	FD	FORST	OTHER	TOTAL	OTHER	NON-	
		SYS OTHER	HOUSE	SAES	EN	GT	O15	O10	SERV	USDA	APPR	FUND	FUND				TOTAL
SERIES 100																	
102 SOIL PLNT WTR NUTRI	1	0.0 0.0	0	0	0	50	0	0	0	0	50	0	0	50	0	0	50
106 DRAIN AND IRRIGATION	2	0.0 0.0	0	0	0	410	0	0	0	0	410	0	0	410	0	0	410
108 WEATHER ADAPT & MOD	1	0.0 0.0	0	0	0	190	0	0	0	0	190	0	0	190	0	0	190
SUBTOTAL		0.0 0.0	0	0	0	650	0	0	0	0	650	0	0	650	0	0	650
SERIES 200																	
204 CNTR PESTS FRT & VEGS	4	0.0 0.0	0	0	0	499	0	0	0	0	499	0	0	499	0	0	499
205 CNTR DISE FRT & VEC	2	0.0 0.0	0	0	0	63	0	0	0	0	63	0	0	63	0	0	63
207 CNTR PESTS FLD CROPS	1	0.0 0.0	0	0	0	13	0	0	0	0	13	0	0	13	0	0	13
208 CNTR DIS FIELD CROPS	1	0.0 0.0	0	0	0	13	0	0	0	0	13	0	0	13	0	0	13
211 CNTR DIS ANIMALS	2	0.0 0.0	0	0	0	200	0	0	0	0	200	0	0	200	0	0	200
SUBTOTAL		0.0 0.0	0	0	0	787	0	0	0	0	787	0	0	787	0	0	787
SERIES 300																	
306 PROD MGMT SYS F & V	1	0.0 0.0	0	0	0	50	0	0	0	0	50	0	0	50	0	0	50
310 ANIMAL REPRODUCTION	2	0.0 0.0	0	0	0	98	0	0	0	0	98	0	0	98	0	0	98
313 PROD MGMT SYS ANML PR	1	0.0 0.0	0	0	0	230	0	0	0	0	230	0	0	230	0	0	230
318 NON COM BIO TECH/BIMET	1	0.0 0.0	0	0	0	190	0	0	0	0	190	0	0	190	0	0	190
SUBTOTAL		0.0 0.0	0	0	0	568	0	0	0	0	568	0	0	568	0	0	568
SERIES 400																	
401 NEW IMP FOREST PROD	4	0.0 0.0	0	0	0	287	0	0	0	0	287	0	0	287	0	0	287
403 NEW & IMP F & V PROD	2	0.0 0.0	0	0	0	82	0	0	0	0	82	0	0	82	0	0	82
407 NEW IMP NON FOOD FC	1	0.0 0.0	0	0	0	50	0	0	0	0	50	0	0	50	0	0	50
409 PROD ANML PR IMP ACCP	2	0.0 0.0	0	0	0	99	0	0	0	0	99	0	0	99	0	0	99
411 IMP NON FOOD ANML PR	1	0.0 0.0	0	0	0	25	0	0	0	0	25	0	0	25	0	0	25
SUBTOTAL		0.0 0.0	0	0	0	543	0	0	0	0	543	0	0	543	0	0	543
SERIES 500																	
512 IMP GRADES FRST PROD	1	0.0 0.0	0	0	0	49	0	0	0	0	49	0	0	49	0	0	49
SUBTOTAL		0.0 0.0	0	0	0	49	0	0	0	0	49	0	0	49	0	0	49
SERIES 700																	
701 TOX RES IN FOOD	2	0.0 0.0	0	0	0	359	0	0	0	0	359	0	0	359	0	0	359
702 FOOD PROT FROM TOX	1	0.0 0.0	0	0	0	205	0	0	0	0	205	0	0	205	0	0	205
708 HUMAN NUTRITION	1	0.0 0.0	0	0	0	150	0	0	0	0	150	0	0	150	0	0	150
SUBTOTAL		0.0 0.0	0	0	0	714	0	0	0	0	714	0	0	714	0	0	714
SERIES 800																	
804 ECON POTENT RURL PED	2	0.0 0.0	0	0	0	67	0	0	0	0	67	0	0	67	0	0	67
SUBTOTAL		0.0 0.0	0	0	0	67	0	0	0	0	67	0	0	67	0	0	67
SERIES 900																	
901 ALLEV POLLUTION	1	0.0 0.0	0	0	0	50	0	0	0	0	50	0	0	50	0	0	50
904 WDLFE AND FISH ECOL	1	0.0 0.0	0	0	0	27	0	0	0	0	27	0	0	27	0	0	27
908 RURAL INSTITUT IMP	1	0.0 0.0	0	0	0	195	0	0	0	0	195	0	0	195	0	0	195
SUBTOTAL		0.0 0.0	0	0	0	272	0	0	0	0	272	0	0	272	0	0	272
SCIENCE IN SERV OF MAN																	
GRAND TOTAL		0.0 0.0	0	0	0	3649	0	0	0	0	3649	0	0	3649	0	0	3649

NATIONAL TOTAL USOA RESEARCH AGENCIES

TABLE III-E SUMMARY BY AGENCY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION AGENCY	NO OF PROJ	-----STAFF----- I.H. SUPPORT YEARS		REG IN HOUSE	C	G	CA	OTHER	SP	FD	SP	FD	FORST	OTHER	TOTAL USOA	OTHER FED	NON- FED	TOTAL
		SYS	OTHER						015	010			SERV	USOA	APPR	FUND	FUND	
AGRICULTURAL COOP SERVICE	10	18.3	1.8	1589					0	0	0	0	0	464	2053	0	0	2053
AGRICULTURAL RESEARCH SER	2113	2799.2	4418.7	494784					0	0	0	0	0	0	524288	8424	756	531468
COMPETITIVE RESEARCH GRNT	387	0.0	0.0	0	15481			25819	0	0	0	0	0	0	41300	0	0	41300
CSRS SPECIAL GRANTS	405	0.0	0.0	0	35781			2450	0	0	0	0	0	0	38231	0	0	38231
ECONOMIC RESEARCH SERVICE	190	367.8	0.0	48181				0	0	0	0	0	0	20	48201	7	0	48208
U S FOREST SERVICE	887	735.1	959.1	121036				0	0	0	0	0	14474	0	135510	4846	1843	142299
HUMAN NUTRITION INFO SERV	34	18.5	66.1	4368				0	4788	0	0	0	0	0	9136	0	0	9136
SMALL BUSINESS INNOV GRNT	35	0.0	0.0	0				0	3649	0	0	0	0	0	3649	0	0	3649
TOTAL	3721	3936.9	5445.5	669938				58997	80478	0	0	0	14474	484	802389	11277	2700	816348

NATIONAL TOTAL SAES - OTHER INSTITUTIONS

TABLE IV-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	1122	351.5	1088.4	7088	577	683	43	489	0	0	8841	2719	8405	35365	2543	4374	8585	85931
0200 WATER	678	207.1	567.3	3382	256	143	0	197	0	97	4075	1378	3703	18811	1004	2376	5938	38285
0300 WATERSHEDS RIVER BAS	166	39.3	110.5	565	357	85	0	160	0	163	1310	279	862	3923	98	415	860	7548
0400 AIR AND CLIMATE	126	39.4	107.3	749	36	1	0	106	0	0	881	173	1587	3710	153	129	540	7184
0500 RECREATION RESOURCES	128	36.4	82.9	359	409	0	0	0	0	0	768	281	453	2928	46	86	482	5045
0600 TIMBER FORST PRODUCT	1493	587.9	1542.4	2633	12188	2425	4034	239	0	281	11800	9424	6000	51143	2029	8590	8972	105959
0700 RANGE	291	109.8	223.0	1903	223	426	0	122	0	50	2723	385	2432	8734	1420	305	584	18564
0800 WILDLIFE AND FISH	728	257.7	946.9	2102	1215	2002	160	1425	122	0	7027	1166	8744	23696	1863	3166	7496	53157
0900 CITRUS SUB TROP FRUIT	290	110.8	346.2	1299	0	920	133	88	0	0	2440	918	539	14798	198	1264	397	20563
1000 FRUIT NUTS DECIDUOUS	975	318.3	1225.2	8084	26	1582	25	273	0	0	10000	1626	920	43321	2239	4212	3273	65591
1100 POTATOES	330	96.0	357.2	2424	0	1481	152	48	0	0	4106	859	739	9357	801	1294	866	18122
1200 VEGETABLES	1342	446.0	1606.2	9872	0	1902	815	3150	0	73	15712	1019	3847	52098	2008	4250	3134	81867
1300 ORNAMENTALS TURF	555	209.1	659.2	4942	1	124	160	176	0	0	5403	246	328	24797	783	2963	1729	36249
1400 CORN	905	208.2	743.2	5612	2	458	722	312	0	49	7156	1186	2832	22217	1645	4436	2195	41667
1500 GRAIN SORGHUM	302	67.0	230.8	1053	0	40	73	46	0	0	1213	196	2056	8575	854	762	755	12410
1600 RICE	146	50.6	200.2	839	0	85	45	0	0	0	769	113	785	5572	478	1282	1519	10499
1700 WHEAT	885	187.1	605.8	3572	0	716	473	104	0	0	4886	851	2523	18687	2204	2525	2068	34825
1800 OTHER SMALL GRAINS	365	84.3	271.7	1833	0	107	406	87	0	0	2433	275	1002	8939	674	1608	1042	15972
1900 PASTURE	122	27.3	106.6	977	13	85	0	68	0	0	1123	107	67	2899	304	98	202	4800
2000 FORAGE CROPS	819	216.0	767.1	6302	1	560	119	482	0	0	7446	1141	1388	24918	2113	1862	1026	38694
2100 COTTON	319	112.5	380.1	2388	0	217	282	0	0	0	2867	267	495	12542	1509	1501	774	19955
2200 COTTONSEED	7	0.9	2.9	17	0	0	0	0	0	0	17	1	18	94	5	48	5	199
2300 SOYBEANS	871	224.5	772.4	5293	0	728	744	1855	0	0	8620	632	1369	24117	1791	3634	2383	42545
2400 PEANUTS	144	42.6	163.2	848	0	107	0	103	0	0	858	123	902	5281	293	449	637	8543
2500 OTHER OILSEED CROPS	115	30.2	92.1	485	0	184	0	102	0	23	795	504	286	2944	235	848	422	5833
2600 TOBACCO	153	57.0	210.4	1015	0	39	68	0	0	0	1122	119	199	9864	292	230	590	12417
2700 SUGAR CROPS	132	38.5	189.0	1018	0	102	0	16	0	98	1234	31	59	4716	281	1019	135	7474
2800 MISC NEW CROPS	167	37.8	142.1	970	0	857	0	76	0	85	1768	267	1023	3731	137	880	411	8197
2900 POULTRY	729	267.6	1047.7	6948	0	789	1281	788	551	267	10606	525	1362	35335	2574	3207	2880	56488
3000 BEEF CATTLE	1407	485.7	1960.7	10641	11	1644	2094	791	1591	0	18773	3120	9657	59806	21293	4578	2994	118221
3100 DAIRY CATTLE	1213	354.6	1637.1	10154	0	1274	883	724	1186	108	14310	1572	5176	46959	11315	8607	4859	92797
3200 SWINE	760	198.5	842.3	6288	0	914	1461	875	495	0	10033	800	1493	27948	6054	2384	3563	52255
3300 SHEEP AND WOOL	397	104.8	384.9	2303	0	325	808	122	349	0	3709	637	3187	11898	2675	523	846	23476
3400 OTHER ANIMALS	614	210.1	768.0	1732	0	362	586	2374	513	0	5565	163	12599	16517	2889	3020	4462	45195
3500 BEES AND HONEY	33	11.4	32.2	105	0	16	26	0	0	0	147	137	36	1310	208	58	27	1922
3600 FARM SUPP & FACILITS	82	26.1	62.3	548	4	204	32	0	0	0	789	108	187	2370	355	400	205	4423
3700 CLOTHING & TEXTILES	98	21.0	52.6	454	0	0	0	376	0	0	830	50	130	1950	92	18	50	3120
3800 FOOD	445	187.2	517.2	4086	0	493	431	722	0	109	5840	994	4968	14730	432	3844	1560	32368
3900 HOUSING & EQUIP	189	44.0	133.7	1072	88	29	103	248	0	0	1539	53	116	4558	234	329	404	7233
4000 PEOPLE AS INDIVIDUAL	568	171.4	572.6	2673	88	106	411	1936	3	0	5197	188	3748	13149	1403	1582	2094	27372
4100 FAMILY MEMBERS	272	69.5	141.9	1238	0	18	66	710	0	0	2033	167	1148	4883	302	370	517	9420
4200 FARM AS BUSINESS	215	76.2	141.4	1607	3	55	0	367	0	0	2031	214	215	5878	230	176	302	9044
4300 SOC POLIT ORGANIZ	361	125.8	300.5	2953	121	304	0	1070	0	48	4487	651	2882	8681	378	915	1300	18316
4400 AGRIC ECONOMY U S	141	51.7	125.3	1018	7	254	0	21	0	0	1299	425	219	5079	57	426	538	8045
4500 AGRIC ECONOMY FORGN	38	29.3	53.0	170	0	219	0	0	0	0	388	208	3642	1531	16	601	610	6996
4600 FARM COOPERATIVES	28	6.4	11.8	108	0	0	0	0	0	0	108	81	5	522	25	77	7	835
4700 OTH MARKET PROCESS	25	3.4	7.5	107	0	0	0	74	0	0	181	20	10	267	19	11	40	548
4800 MARKETING SYSTEMS	81	21.3	47.2	475	0	142	0	293	0	0	810	103	57	1713	51	22	178	3034
5100 WEEDS	135	31.1	110.1	785	2	111	217	35	0	0	1150	131	244	3793	161	713	427	6619
5200 SEED RESEARCH	56	23.0	93.6	164	0	0	0	0	0	125	289	83	407	1844	1203	179	809	4814
5300 BIO CELL SYSTEMS	284	108.6	484.2	1436	10	163	188	146	7	63	2012	130	10514	9665	841	1834	1111	26107
5400 EXP DESIGN/STAT METH	114	41.4	73.7	389	30	0	0	55	0	0	474	1038	841	3435	280	247	742	7057
5500 INVERTEBRATES	481	156.6	432.8	2317	201	91	2861	83	50	60	5463	621	3436	15157	256	1220	730	26882
5600 MICROORGANISMS VIRUS	541	156.1	574.4	2395	30	332	4441	0	32	0	7229	540	8439	15401	323	2630	1128	35689
5700 PLANTS	885	274.8	949.3	4263	14	1549	5419	18	0	63	11325	2045	7531	26527	1367	4034	3535	58464
5800 ANIMALS[VERTEBRATES]	479	269.3	718.3	2258	16	388	452	351	188	50	3704	302	17197	20866	1536	2245	2372	48322
5900 RESEARCH ON RSCH MGM	47	32.5	137.0	688	140	121	0	0	0	0	1110	83	44	7764	179	217	201	9598
7000 RSCH EQUIP & TECHNOL	141	43.3	113.5	535	136	14	154	80	0	0	899	559	2680	3839	110	420	582	8088
TOTAL		7789.2	26227.8	147384	16185	29750	21906	5067	1793	247821	153521	842160	823360	84841	99064	91068	1541836	

NATIONAL TOTAL SAES - OTHER INSTITUTIONS

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	230	83.4	243.2	1489	101	48	28	0	0	0	1872	826	1169	8323	386	988	1973	16306
102 SOIL PLNT WTR NUTRI	831	274.8	932.4	5494	781	632	248	830	0	0	7985	2421	5275	27923	2621	3738	4188	54131
103 MGMT OF SALINE SOILS	73	20.1	75.5	372	19	3	31	0	0	97	523	13	230	2819	89	371	67	4181
104 ALTERNV USE OF LAND	134	28.3	59.5	848	17	82	0	40	0	0	786	202	330	2514	70	68	891	4851
106 CONSERV USE OF WATER	319	89.2	281.9	1658	141	37	122	284	0	0	2242	819	1144	9892	684	1049	786	18405
108 DRAIN AND IRRIGATION	130	49.1	114.5	833	0	72	0	0	0	0	905	113	509	4342	179	289	3837	10153
107 WATERSHED PROT & MGM	175	56.7	134.9	820	398	114	0	0	0	0	1332	802	828	6009	278	654	835	8239
108 ECON LEG PROB OF WAT	72	21.9	37.2	486	3	0	0	0	0	0	459	157	413	1848	52	101	105	3135
109 WEATHER ADAPT & MOD	161	53.5	115.1	1035	71	51	0	22	0	0	1179	119	2119	3928	189	241	479	8254
110 APPRAIS FORST & RANG	143	52.7	94.4	286	854	30	0	81	0	0	1262	271	1328	2814	182	382	622	8880
111 BIDL CULT MGMT FORST	406	165.3	434.0	302	3512	99	834	58	0	0	4805	3488	1724	13520	868	2261	2017	28783
112 IMPROY RANGE RESOR	199	83.1	143.0	1187	185	235	0	30	0	0	1617	318	747	6082	1148	186	220	10317
113 REMOTE SENSING	76	24.7	58.9	252	287	148	0	73	0	0	759	106	890	1773	51	136	198	3713
114 RSCH ON MGMT OF RSCH	47	33.5	137.0	848	140	121	0	0	0	0	1110	83	44	7784	179	217	201	9898
SUBTOTAL			2861.5	15889	6490	1383		1428	0	97	28737	9537	18542	98449	6886	10827	15880	184738
	1026.3					1670												
SERIES 200																		
201 CNTRL FORST INSECTS	181	45.8	115.5	448	944	50	1802	0	0	277	3221	700	398	3759	85	279	303	8746
202 CNTRL FORST DTS	143	37.1	94.5	634	838	5	298	0	0	0	1874	311	188	3329	83	418	313	8285
203 FOREST FIRE PROTECT	16	5.0	6.5	1	138	0	0	0	0	50	190	68	89	244	0	3	40	632
204 CNTR PESTS FRT & VEG	807	145.3	542.0	3548	0	1193	118	123	0	0	4981	761	874	17058	890	1607	1087	27068
205 CNTR DISE FRT & VEG	735	234.7	858.2	4370	23	1786	187	56	0	49	8472	1855	948	27815	1138	3289	2048	43640
206 CNTR WEEDS FRT & VEG	185	38.1	137.3	1091	0	96	42	87	0	23	1340	107	287	4531	188	528	188	7168
207 CNTR PESTS FLD CROPS	830	189.8	875.8	4860	0	1461	680	607	0	0	7188	723	1380	19302	1080	2394	1763	33800
208 CNTR DIS FIELD CROPS	721	222.3	756.9	5177	0	1078	302	69	0	0	8825	891	1480	24476	1122	3288	2618	40297
209 CNTR WEEDS FLD CROPS	340	117.9	390.0	2855	26	251	105	0	0	0	3238	527	499	12822	1218	2897	1822	22323
210 CNTR PESTS ANIMALS	159	45.1	132.8	902	6	237	7	0	272	0	1425	195	261	4643	401	421	336	7681
211 CNTR DIS ANIMALS	1298	603.8	1753.9	4840	0	3730	1815	389	3095	104	13773	2087	18764	58028	7818	8733	8871	115873
212 CNTR INTER PARASITES	132	38.8	104.6	801	0	148	76	0	228	0	1249	99	372	3930	251	443	380	8725
213 PROT ANMLS FROM TOXI	127	94.2	237.0	842	11	24	108	35	282	0	1112	29	7347	5124	1622	877	1499	17510
214 PROTECT FROM POLLUTI	222	73.1	306.6	1250	423	621	34	104	58	75	2577	2540	5940	8768	183	834	811	19753
SUBTOTAL			6111.7	2408	10681	5154		1470	3981	579	65083	10592	38827	191528	15720	23787	21885	357302
	1901.6			30820														
SERIES 300																		
301 GENET BREED FORST TR	127	51.5	186.8	253	1255	25	345	125	0	0	2004	430	635	5583	121	1487	1272	11532
302 IMP FOREST ENG SYS	57	20.4	48.7	23	257	402	254	0	0	220	1155	137	208	1767	111	194	276	3848
303 ECON TIMBER PRODUCTN	75	23.5	87.1	18	754	89	0	0	0	0	861	120	78	2887	79	152	205	4182
304 IMP BID EFF FRT & VE	990	329.5	1319.6	7123	0	1255	816	2210	0	0	11404	1281	1831	43468	2172	3312	2884	86153
305 MECH PROD FRT & VEGS	93	25.6	71.6	775	0	12	0	0	0	65	852	34	55	3239	161	345	108	4794
306 PRDD MGMT SYS F & V	130	26.4	100.0	592	0	259	0	112	0	0	983	18	85	3585	254	493	181	5538
307 IMP BID EFF FLD CRP	1316	631.9	2012.1	11109	0	837	2856	1539	0	69	16010	2785	8573	83352	6043	7334	5895	107793
308 MECH PROD FIELD CRP	101	31.2	82.3	784	0	51	0	0	0	78	914	60	91	3262	177	342	289	5116
309 PRDD MGMT SYS FLD CR	384	99.9	280.6	2195	0	229	5	177	0	0	2805	209	183	10417	1463	1142	730	18748
310 ANIMAL REPRODUCTION	606	213.3	978.7	6492	0	433	2826	1067	413	0	11231	982	5994	28258	7890	2031	1260	58846
311 IMP BID EFF ANML PR	1227	474.5	2580.7	15790	0	471	1648	3214	472	117	21712	2671	6084	71753	22885	7239	5805	138048
312 ENV STRESS IN ANML P	184	53.6	189.0	1445	0	24	66	234	42	0	1811	106	846	6349	1314	645	206	11077
313 PRDD MGMT SYS ANML P	279	85.9	300.9	1975	0	45	0	8	17	0	2044	136	128	9985	2905	475	903	18575
314 BEES DTH POLLNTNG IN	33	11.4	32.2	105	0	16	26	0	0	0	147	137	36	1310	208	58	27	1922
315 IMP STRUC FARM SUPP	92	38.1	109.6	848	0	193	32	0	0	0	1073	91	137	3788	487	305	279	6141
316 FARM BUSINESS MGMT	161	54.0	105.1	1086	0	54	0	286	0	0	1436	140	146	4139	201	85	205	6353
317 MECH/STRUCTS ANML PR	30	8.3	18.9	140	0	0	0	0	0	0	140	0	0	829	58	46	57	1231
318 NON COM BID TECH/BIM	1487	569.0	1974.6	7416	131	3781	10996	146	7	250	19323	1896	32901	53968	3311	8028	5034	124258
SUBTOTAL			10418.7	2397	19670	4574		9127	951	799	95888	11030	55811	318797	49939	33716	24976	589856
	2817.0			58170														
SERIES 400																		
401 NEW IMP FOREST PROD	264	111.3	305.7	195	1704	1617	1291	0	0	8	4815	805	706	10408	277	2080	1075	20168
402 PRDD F & V IMP ACCEP	277	49.8	170.1	1012	0	263	0	251	0	0	1526	151	286	7036	255	689	359	10313
403 NEW & IMP F & V PROD	186	57.4	201.8	1180	0	115	0	147	0	0	1423	128	213	8839	252	882	848	10284
404 MKT QVAL FRTS & VEGS	176	56.3	187.1	1374	0	298	0	79	0	0	1751	47	311	7075	121	795	315	10414
405 PRDD FLD CROPP IMP AC	256	87.5	343.6	1775	0	124	101	0	0	0	2000	649	1585	9738	1041	1778	1888	18576
406 NEW IMP FOOD FLD CRD	149	46.4	151.5	975	0	3	0	180	0	0	1138	72	1156	4471	186	949	714	8886
407 NEW IMP NON FOOD FC	79	23.7	106.5	479	0	307	8	6	0	23	823	86	378	2738	300	983	110	5418
408 MKT QVAL FIELD CROPS	86	25.5	82.5	584	0	3	0	213	0	0	800	88	387	2506	39	357	163	4320
409 PRDD ANML PR IMP ACC	146	40.3	201.0	1558	0	288	142	51	3	0	2042	122	266	6124	1179	1084	340	11168
410 IMP MEAT MILK EGG PR	237	92.0	328.7	2288	0	7	84	255	3	0	2595	316	804	8276	1230	1789	1875	18584
411 IMP NON FOOD ANML PR	17	4.4	12.5	104	28	3	0	18	0	0	149	0	13	442	1	134	20	760
412 MKT QVAL ANIMAL PROD	81	19.7	88.6	575	0	0	0	0	0	29	804	1	278	2078	71	804	348	3986
SUBTOTAL			2109.5	1730	1806			1177	6	80	19886	2468	8484	67528	4962	12234	7354	120665
	814.2			12058		3028												
SERIES 500																		
501 IMP GRADES & STANDS	43	9.0	33.1	281	0	85	0	0	0	0	347	104	12	878	57	154	81	1829
502 MKTG TIMBER PRODUCTS	37	9.8	14.1	38	282	59	0	0	0	0	380	233	28	544	5	4	39	1233
503 MKTG EFF AGRI PRODS	188	38.8	78.5	1099	0	146	0	0	0	0	1244	299	69	3438	88	372	260	8742
506 SPILY DEMAND AND PRIC																		

NATIONAL TOTAL SAES - OTHER INSTITUTIONS

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	INO -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	140	44.8	125.3	1258	0	1298	0	0	17	151	2719	235	1158	3115	333	288	544	8392
702 FOOD PROT FROM TOX	175	53.9	200.2	1828	0	23	22	175	41	59	1848	178	2621	5752	157	1213	474	12342
703 FOOD CONSUMP HABITS	129	35.3	94.5	748	0	88	0	732	0	0	1587	400	388	2555	104	453	230	5718
704 HOME COMM FOOD SERV	31	8.7	14.4	292	0	0	39	59	0	0	380	0	15	508	30	110	62	1215
705 SEL CARE CLOTH & TEX	83	16.1	43.1	298	0	0	0	370	0	0	585	28	57	1535	74	18	43	2424
706 CONTR INSECTS AFF MA	117	39.4	104.1	788	38	27	7	0	0	0	840	28	471	4235	89	571	402	8518
707 TRANS ANIML MAN DIS	38	14.4	81.9	55	0	0	0	48	3	0	106	58	727	839	257	328	532	2847
708 HUMAN NUTRITION	385	141.8	521.1	2876	3	58	1530	1038	0	0	5307	552	6204	11851	1011	2317	1603	28855
709 REDUCE HAZ HLTH & SF	66	12.9	36.4	344	0	6	0	0	0	0	350	20	445	1256	55	134	116	2376
SUBTOTAL		367.3	1221.0	8059	42	1500	1597	2425	62	210	13893	1510	12095	31549	2091	5441	4005	70587
SERIES 800																		
801 RURAL HOUSING	56	13.3	35.9	221	0	0	0	393	0	0	513	6	29	922	43	47	123	1784
802 INDIV & FAM DEC MAKI	202	53.5	88.2	707	0	18	0	523	0	0	1249	3	377	3755	288	232	298	5183
803 RURAL POVERTY	26	5.2	25.1	70	0	18	0	67	0	0	155	31	12	349	82	61	118	808
804 ECON POTENT RURL PED	95	24.7	49.0	489	31	15	0	775	0	0	1320	8	5	1325	40	9	119	2825
805 COMMUNICAT EDUC PROC	120	39.3	112.3	390	104	0	0	530	0	0	1024	115	389	3493	191	108	435	5755
806 ADJUSTMENT TO CHANGE	184	51.9	142.7	1095	0	18	0	594	0	0	1710	94	821	3888	190	495	302	7304
807 AGRIC ECONOMIC CHANG	157	57.5	124.8	1257	7	107	0	291	0	0	1682	232	183	4435	125	553	825	7825
808 GOVT PROGRAMS	52	16.4	39.0	358	5	104	0	0	0	0	485	71	118	1524	12	37	331	2558
SUBTOTAL		252.0	517.0	4598	147	280	0	3173	0	0	8199	580	1945	18493	950	1554	2353	35053
SERIES 900																		
901 ALLEV POLLUTION	448	157.4	499.4	3088	229	554	0	337	0	0	4205	1053	3053	17305	822	2948	1705	31080
902 OUTDOOR RECREATION	124	38.3	84.3	354	385	0	0	0	0	0	750	329	459	2923	32	91	481	5055
903 MULTI USE FOREST POT	92	18.9	51.5	111	504	0	0	0	0	0	714	82	432	1489	101	77	287	3183
904 WDLFE AND FISH ECOL	630	223.8	631.7	1800	1075	1852	110	1481	97	0	8015	1111	7278	20882	1626	2837	8553	45102
905 TREES BEAUTIFICATION	100	24.9	55.7	389	82	4	198	58	0	0	729	122	48	2331	94	130	132	3585
906 ORNAMENT & TURF DEV	513	189.5	500.1	4425	1	121	0	175	0	0	4723	153	262	22884	736	2722	1853	32933
907 RURAL INCOME IMP	108	32.5	83.3	1034	37	72	0	0	0	0	1142	94	85	2585	55	136	336	4393
908 RURAL INSTITUT IMP	154	42.1	89.5	1200	13	214	0	399	0	49	1675	335	131	3043	83	186	199	5832
SUBTOTAL		725.4	2255.5	12209	2427	2817	308	2449	97	49	20155	3279	11738	73023	3548	9105	11325	132175
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		7789.2	28227.9	147384	16185	29750	21808	5087	1793	247821	42180	153521	823380	84841	91068			1541835

SAES REGION 1 NORTHEAST REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	173	49.1	174.5	1342	71	1	28	0	0	0	1441	236	803	4489	306	567	595	8438
0200 WATER	111	29.3	110.2	519	73	0	0	0	0	0	592	57	474	2539	165	496	793	5116
0300 WATERSHEDS RIVER BAS	32	8.0	25.0	139	15	6	0	0	0	163	322	0	141	1090	5	28	76	1862
0400 AIR AND CLIMATE	21	6.9	26.0	88	14	0	0	0	0	0	103	25	285	1165	84	15	149	1806
0500 RECREATION RESOURCES	20	5.6	7.2	42	43	0	0	0	0	0	85	1	11	424	11	2	114	848
0600 TIMBER FORST PRODUCT	290	106.1	305.4	1093	2247	94	420	56	40	0	3910	1566	894	10535	256	2123	1404	20689
0700 RANGE	1	0.0	0.1	5	0	0	0	0	0	0	5	0	0	1	0	0	0	6
0800 WILDLIFE AND FISH	149	53.1	224.3	531	337	11	50	205	4	0	1137	40	1830	3149	460	798	2020	9435
0900 CITRUS SUB TROP FRUT	6	0.1	4.4	4	0	0	0	0	0	0	4	0	6	26	2	5	19	61
1000 FRUIT NUTS DECIDUOUS	221	80.2	368.2	2385	23	401	18	0	0	0	2827	260	286	7729	853	771	1073	13799
1100 POTATOES	99	28.3	166.0	1012	0	398	52	0	0	0	1480	377	104	2308	389	288	353	5278
1200 VEGETABLES	236	68.1	317.4	2237	0	230	108	91	0	0	2667	163	374	7217	680	392	741	12234
1300 ORNAMENTALS TURF	110	35.7	133.3	1045	1	0	150	0	0	0	1205	18	63	3822	193	683	374	6359
1400 CORN	88	26.6	94.7	804	0	0	113	0	0	0	917	31	222	2321	211	216	231	4150
1500 GRAIN SORGHUM	4	0.6	3.0	6	0	0	0	0	0	0	6	0	3	50	4	9	2	75
1600 RICE	7	0.9	13.5	16	0	0	0	0	0	0	16	0	1	72	15	5	185	295
1700 WHEAT	25	4.7	20.6	141	0	0	6	0	0	0	147	0	6	515	81	19	37	804
1800 OTHER SMALL GRAINS	21	5.5	21.3	85	0	0	68	0	0	0	152	3	67	401	66	22	23	733
1900 PASTURE	11	2.3	7.5	237	0	0	0	0	0	0	237	23	2	178	37	2	25	503
2000 FORAGE CROPS	84	23.9	140.3	804	0	163	0	139	0	0	1105	71	193	2071	307	208	230	4185
2100 COTTON	2	0.2	0.1	7	0	0	0	0	0	0	7	0	0	15	0	0	2	24
2200 COTTONSEED	1	0.0	0.0	0	0	0	0	0	0	0	0	5	0	2	0	1	0	8
2300 SOYBEANS	47	11.4	35.4	224	0	0	46	383	0	0	632	18	51	1043	58	89	28	1921
2400 PEANUTS	2	0.0	0.8	0	0	0	0	0	0	0	0	12	0	3	2	1	0	18
2500 OTHER OILSEED CROPS	2	0.2	0.1	9	0	0	0	0	0	0	9	0	0	6	0	0	0	15
2600 TOBACCO	18	9.0	14.0	129	0	0	34	0	0	0	183	0	74	1053	19	0	0	1309
2800 MISC NEW CROPS	5	1.6	3.7	3	0	0	0	27	0	0	30	0	0	145	0	0	12	187
2900 POULTRY	153	55.6	254.4	1863	0	154	202	19	93	150	2481	27	487	8822	621	569	1023	12030
3000 BEEF CATTLE	88	18.7	85.1	855	0	83	204	12	52	0	986	24	202	2209	466	135	185	4206
3100 DAIRY CATTLE	230	62.0	463.5	2547	0	352	253	47	153	58	3410	109	961	8196	1663	1121	2362	17821
3200 SWINE	58	13.8	61.2	253	0	55	57	0	77	0	442	18	137	1440	199	118	315	2669
3300 SHEEP AND WOOL	48	11.8	60.7	245	0	0	0	0	73	0	318	15	440	1246	289	82	177	2568
3400 OTHER ANIMALS	149	49.1	291.9	262	0	42	217	0	43	0	564	9	3867	2974	1295	384	2756	11850
3500 BEES AND HONEY	5	2.1	12.9	18	0	0	0	0	0	0	18	36	24	126	43	0	12	261
3600 FARM SUPP & FACILITS	15	5.2	14.4	127	0	0	0	0	0	0	127	0	58	539	28	135	11	898
3700 CLOTHING & TEXTILES	22	2.1	14.5	52	0	0	0	29	0	0	81	0	25	169	71	4	8	359
3800 FOOD	97	40.3	134.6	1081	0	0	83	22	0	50	1236	10	1213	2618	174	325	615	6192
3900 HOUSING & EQUIP	32	9.3	51.0	256	16	9	0	23	0	0	304	0	33	896	48	79	149	1508
4000 PEOPLE AS INDIVIDUAL	166	66.4	332.8	916	16	61	49	28	0	0	1071	122	2133	3643	1236	653	1666	10525
4100 FAMILY MEMBERS	44	11.9	29.9	123	0	0	30	77	0	0	230	51	180	564	180	7	153	1376
4200 FARM AS BUSINESS	18	8.1	14.6	259	0	0	0	27	0	0	286	33	16	477	40	6	18	876
4300 SOC POLIT ORGANIZ	84	28.9	111.4	1056	2	42	0	52	0	0	1152	105	207	2074	237	446	390	4610
4400 AGRIC ECONOMY U S	12	3.3	17.7	144	0	0	0	0	0	0	144	2	0	445	23	6	34	654
4500 AGRIC ECONOMY FORGN	7	10.3	10.0	12	0	0	0	0	0	0	12	0	1446	235	3	205	46	1946
4600 FARM COOPERATIVES	3	0.6	1.9	8	0	0	0	0	0	0	8	8	1	9	13	0	2	41
4700 OTH MARKET PROCESS	1	0.6	0.4	0	0	0	0	0	0	0	0	0	0	23	14	11	3	51
4800 MARKETING SYSTEMS	11	2.5	3.4	57	0	0	0	0	0	0	57	1	3	188	6	5	36	296
6100 WEEDS	8	0.8	4.8	44	0	0	0	0	0	0	44	41	39	106	46	4	0	279
6200 SEED RESEARCH	10	3.4	10.3	31	0	0	0	0	0	0	31	12	0	290	22	28	51	434
6300 BIO CELL SYSTEMS	64	27.7	159.9	411	0	0	4	0	0	0	415	0	2036	1550	604	440	703	5747
6400 EXP DESIGN/STAT METH	28	7.1	16.8	87	29	0	0	0	0	0	117	12	109	432	112	50	315	1147
6500 INVERTEBRATES	125	36.1	108.6	633	182	26	1006	0	16	60	1902	185	780	2072	116	118	152	5324
6600 MICROORGANISMS VIRUS	109	29.4	137.8	572	27	0	704	0	1	0	1304	56	1542	1719	169	466	225	5480
6700 PLANTS	126	36.2	150.7	969	0	524	676	0	0	0	2169	120	401	2215	612	459	555	6531
6800 ANIMALS(VERTEBRATES)	96	30.7	139.0	366	13	237	63	0	0	0	680	121	2439	1888	377	139	421	5865
6900 RESEARCH ON RSCH MCM	6	1.7	3.0	36	102	0	0	0	0	0	138	0	0	86	9	2	16	252
7000 RSCH EQUIP & TECHNOL	27	12.2	27.1	76	28	0	0	0	0	0	104	40	655	780	69	65	282	1996
TOTAL		1146.7	4941.4	28086	3220	2885	4850	1217	511	481	39010	4064	25302	98203	13000	12804	21166	213550

SAES REGION 1 NORTHEAST REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	34	12.8	39.0	320	2	0	28	0	0	0	350	88	34	932	76	155	96	1730
102 SOIL PLNT WTR NUTRI	83	23.3	121.7	580	119	0	0	0	0	0	899	288	788	2086	281	400	599	5082
103 MGMT OF SALINE SOILS	1	0.1	0.3	0	0	0	0	0	0	0	0	0	0	17	0	0	0	17
104 ALTERN USE OF LAND	18	4.8	13.2	237	7	1	0	0	0	0	245	3	7	477	7	7	108	884
105 CONSERV USE OF WATER	16	4.0	7.3	72	74	0	51	0	0	0	197	3	28	383	10	12	18	829
106 DRAIN AND IRRIGATION	8	1.5	9.1	24	0	0	0	0	0	0	24	0	1	185	42	42	6	300
107 WATERSHED PROT & MGM	17	7.1	11.6	148	0	0	0	0	0	0	148	0	85	805	21	34	18	912
108 ECON LEG PROB OF WAT	6	1.8	2.6	32	0	0	0	0	0	0	32	2	32	136	6	0	1	209
109 WEATHER ADAPT & MOD	20	6.1	12.2	133	6	42	0	0	0	0	181	25	273	488	54	4	168	1194
110 APPRAIS FORST & RANG	26	5.4	12.7	71	196	0	0	0	0	0	267	14	47	316	12	123	113	891
111 BIOL CULT MGMT FORST	58	18.0	62.9	69	436	0	138	0	0	0	644	138	172	2196	75	390	281	3896
113 REMOTE SENSING	14	3.9	8.2	40	33	0	0	0	0	0	72	16	70	388	3	0	71	631
114 RSCH ON MGMT OF RSCH	6	1.7	3.0	36	102	0	0	0	0	0	138	0	0	86	9	2	16	252
SUBTOTAL		90.6	303.8	1763	975	42	217	0	0	0	2997	557	1514	8284	596	1170	1498	18597
SERIES 200																		
201 CNTRL FORST INSECTS	56	15.1	35.4	177	313	0	463	0	0	80	1013	296	235	1161	29	50	87	2872
202 CONTROL FOREST DIS	37	9.3	19.7	315	206	0	73	0	0	0	594	39	7	882	16	11	45	1395
204 CNTR PESTS FRT & VEG	118	36.7	188.5	873	0	208	0	0	0	0	1081	172	511	2985	423	256	392	5820
205 CNTR DIS FRT & VEG	134	46.6	227.4	976	23	225	15	0	0	0	1240	343	160	3817	534	340	850	7084
206 CNTR WEEDS FRT & VEG	29	7.9	29.1	271	0	11	0	0	0	0	281	6	43	832	103	78	63	1408
207 CNTR PESTS FLD CROPS	58	15.1	73.8	372	0	95	88	145	0	0	701	1	89	1084	128	53	78	2144
208 CNTR DIS FLD CROPS	48	10.4	41.2	339	0	44	53	0	0	0	435	1	4	1107	89	106	82	1823
208 CNTR WEEDS FLD CROPS	23	7.5	21.5	203	0	7	0	0	0	0	210	60	3	517	33	56	44	1023
210 CNTR PESTS ANIMALS	22	7.2	17.8	93	0	1	0	0	11	0	105	37	5	414	148	36	88	812
211 CNTR DIS ANIMALS	193	68.7	402.1	947	0	528	161	23	334	104	2094	16	2189	7387	1313	917	2987	16903
212 CNTR INTER PARASITES	13	6.4	18.8	91	0	0	0	0	26	0	117	0	192	259	34	60	86	748
213 PROT ANMLS FROM TOXI	13	8.3	30.9	76	0	0	58	0	0	0	134	0	215	289	183	34	875	1730
214 PROTECT FROM POLLUTI	54	18.2	67.9	437	231	292	0	0	0	75	1036	836	260	1416	43	309	362	4280
SUBTOTAL		257.5	1154.2	5172	773	1409	910	168	371	239	9042	1806	3926	22048	3076	2306	5817	48020
SERIES 300																		
301 GENET BREED FORST TR	26	9.4	49.7	132	233	0	78	0	0	0	443	186	1	1807	27	258	19	2720
302 IMP FOREST ENG SYS	6	2.2	9.4	0	58	0	0	0	0	163	222	8	14	174	0	30	124	572
303 ECON TIMBER PRODUCTN	10	2.4	2.4	12	101	0	0	0	0	0	113	0	0	129	4	0	5	252
304 IMP BID EFF FRT & VE	173	57.9	294.6	1797	0	158	164	91	0	0	2210	239	125	6188	543	605	845	10654
305 MECH PROD FRT & VEGS	8	3.2	14.1	325	0	0	0	0	0	0	325	0	0	383	7	7	13	735
306 PROD MGMT SYS F & V	23	5.5	25.0	155	0	5	0	27	0	0	187	0	0	511	44	67	81	891
307 IMP BID EFF FLD CRP	107	41.1	153.4	957	0	18	260	356	0	0	1592	56	549	3245	423	189	331	6395
308 MECH PROD FLD CRP	5	2.4	4.9	46	0	0	0	0	0	0	46	0	10	214	0	2	29	301
309 PROD MGMT SYS FLD CR	16	5.1	16.9	320	0	0	0	0	0	0	320	9	0	587	30	20	7	974
310 ANIMAL REPRODUCTION	92	33.8	181.0	1036	0	31	483	0	44	0	1594	2	1750	3383	1128	129	536	8523
311 IMP BID EFF ANML PR	202	61.7	397.3	2335	0	42	184	47	73	0	2681	42	2785	7726	1329	798	870	16231
312 ENV STRESS IN ANML P	10	3.7	12.2	170	0	0	0	0	0	0	170	0	0	399	12	9	21	611
313 PROD MGMT SYS ANML P	23	7.4	67.6	394	0	0	0	8	0	0	402	37	10	1364	229	72	519	2632
314 BEES OTH POLLNTNG IN	5	2.1	12.9	18	0	0	0	0	0	0	18	36	24	126	43	0	12	261
315 IMP STRUC FARM SUPP	23	10.3	48.2	287	0	0	0	0	0	0	287	0	89	981	80	115	77	1611
316 FARM BUSINESS MGMT	12	5.0	10.6	130	0	0	0	27	0	0	155	33	0	259	35	4	18	508
317 MECH/STRUCTS ANML PR	2	0.9	1.0	17	0	0	0	0	0	0	17	0	0	108	0	0	0	127
318 NON COM BID TECH/BIM	323	113.0	505.8	1655	66	4	1714	0	0	0	3439	74	6030	6041	1670	1066	1871	20190
SUBTOTAL		367.4	1808.0	9788	458	257	2883	557	117	163	14224	702	11386	33624	5586	3281	5382	74186
SERIES 400																		
401 NEW IMP FOREST PROD	41	28.2	66.3	85	342	52	64	0	0	0	543	126	299	2848	38	771	493	5117
402 PROD F & V IMP ACCEP	34	5.7	20.5	176	0	115	0	0	0	0	291	16	21	803	57	124	31	1344
403 NEW & IMP F & V PROD	25	10.1	65.8	196	0	0	0	0	0	0	196	2	1	1207	115	98	180	1779
404 MKT QUAL FRTS & VEGS	39	10.5	35.1	522	0	10	0	0	0	0	532	1	68	1175	82	150	92	2110
405 PROD FLD CRP IMP AC	16	3.8	29.6	150	0	0	0	0	0	0	150	58	2	488	52	58	184	973
406 NEW IMP FOOD FLD CRO	10	4.4	14.8	88	0	0	0	0	0	0	88	24	3	252	13	32	152	564
407 NEW IMP NON FOOD FC	4	0.8	7.6	37	0	0	0	0	0	0	43	0	17	120	13	0	7	200
408 MKT QUAL FLD CROPS	3	0.2	0.2	2	0	1	0	0	0	0	3	0	0	18	0	0	0	21
409 PROD ANML PR IMP ACC	21	5.5	37.1	163	0	35	76	0	3	0	277	13	3	554	90	170	111	1217
410 IMP MEAT MILK EGG PR	38	19.0	110.3	447	0	0	0	0	0	0	447	10	110	1137	126	318	872	3021
411 IMP NON FOOD ANML PR	2	1.1	3.2	38	0	0	0	0	0	0	38	0	0	113	1	23	13	189
412 MKT QUAL ANIMAL PROD	12	2.7	8.0	71	0	0	0	0	0	29	100	0	1	252	2	85	101	521
SUBTOTAL		91.8	388.6	1975	342	213	140	6	3	29	2708	250	528	8948	599	1810	2216	17056
SERIES 500																		
501 IMP GRADES & STANDS	6	0.9	2.0	12	0	0	0	0	0	0	12	13	1	63	3	2	17	111
502 MKTG TIMBER PRODUCTS	4	0.4	0.4	21	5	0	0	0	0	0	25	0	0	47	0	1	1	74
503 MKTG EFF AGRI PRODS	14	2.8	8.8	95	0	0	0	0	0	0	95	28	0	301	6	3	97	530
506 SPPLY DEMAND AND PRIC	27	4.8	22.9	231	0	0	0	0	0	0	231	1	4	642	27	35	50	989
507 COMP REL IN AGRIC	5	0.1	1.0	7	0	0	0	0	0	0	7	4	0	238	7	0	1	257
508 DOMESTIC MKT DEVELP	6	3.2	5.4	77	0	37	0	0	0	0	114	0	0	148	22	0	98	361
509 PERFORMANCE MKTG SYS	22	5.8	13.0	288	0	0	0	0	0	0	288	20	4	378	28	44	27	788
510 GROUP ACT MKT POWER	4	0.9	2.0	16	0	0	0	0	0	0	16	9	1	17	13	0	4	61
511 IMP AGRIC STATISTICS	6	0.7	1.7	35	0	0	0	0	0	0	35	7	0	34	10	0	48	133
512 IMP GRADES FRST PROD	2	0.3	1.6	0	0	0	53	0	0	0	53	0	3	42	0	0	0	98
513 PRICE ANAL FRST PROD	8	1.7	3.2	26	70	0	0	0	0	0	96	0	0	108	0	4	12	220
SUBTOTAL		21.6	60.2	807	75	37	53	0	0	0	972	82	14	2019	114	89	354	3644
SERIES 800																		
801 FGN MKT DEVELP	11	1.1	7.0	45	0	31	0	0	0	0	78	1	4	100	18	1	9	209
803 TECH AID DEV CRTY	15																	

SAES REGION 1 NORTHEAST REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	33	15.7	41.0	748	0	561	0	0	0	0	1409	48	114	870	220	39	143	2843
702 FOOD PROT FROM TOX	20	4.3	13.1	252	0	23	0	0	17	50	342	0	15	472	3	174	31	1038
703 FOOD CONSUMP HABITS	21	6.1	38.5	146	0	61	0	30	0	0	237	49	109	423	80	103	37	1039
704 HOME COMM FOOD SERV	7	2.7	2.4	81	0	0	39	0	0	0	120	0	16	168	3	38	6	350
705 SEL CARE CLOTH & TEX	16	1.5	9.9	32	0	0	0	23	0	0	55	0	22	102	55	4	9	247
706 CONTR INSECTS AFF MA	34	10.4	20.6	223	9	18	0	0	0	0	250	0	41	880	33	2	159	1144
707 TRANS ANIML MAN DIS	12	10.0	88.7	18	0	0	0	0	0	0	18	58	507	368	253	288	515	2006
708 HUMAN NUTRITION	91	42.1	209.0	721	3	58	248	11	0	0	1041	258	2409	1878	818	311	1035	7751
709 REDUCE HAZ HLTH & SF	14	2.5	13.0	52	0	1	0	0	0	0	53	0	45	404	14	76	2	594
SUBTOTAL		95.3	412.4	2272	13	823	286	64	17	50	3525	414	3278	5345	1480	1035	1937	17013
SERIES 800																		
801 RURAL HOUSING	12	3.5	13.0	26	0	0	0	23	0	0	49	0	27	224	26	44	22	393
802 INDIV & FAM DEC MAKI	41	15.2	32.5	80	0	0	0	0	0	0	80	2	236	635	214	0	103	1269
803 RURAL POVERTY	5	2.2	17.6	23	0	0	0	52	0	0	75	0	0	91	73	0	111	350
804 ECON POTENT RURL PED	18	5.1	5.3	112	0	15	0	29	0	0	155	0	0	194	28	2	12	391
805 COMMUNICAT EDUC PROC	51	10.2	60.5	234	14	0	0	58	0	0	308	108	214	872	180	39	190	1890
806 ADJUSTMENT TO CHANGE	19	5.8	48.3	200	0	0	0	0	0	0	200	0	82	413	79	8	90	873
807 AGRIC ECONOMIC CHANG	12	6.0	32.0	172	0	0	0	0	0	0	172	0	17	505	66	386	14	1160
808 GOVT PROGRAMS	5	1.5	2.5	36	0	0	0	0	0	0	36	0	0	128	0	1	0	165
SUBTOTAL		49.5	211.7	884	14	15	0	162	0	0	1074	111	576	3061	646	461	542	8490
SERIES 900																		
901 ALLEV POLLUTION	126	48.8	147.8	903	76	9	0	0	0	0	988	23	741	5582	145	937	624	9040
902 OUTDOOR RECREATION	20	4.3	6.7	32	40	0	0	0	0	0	72	1	12	323	15	3	119	545
903 MULTI USE FOREST POT	15	3.6	6.3	8	181	0	0	0	0	0	189	3	53	274	3	0	9	530
904 WLOFE AND FISH ECOL	127	41.5	186.3	418	272	1	0	205	4	0	900	44	1873	2848	404	856	1699	8025
905 TREES BEAUTIFICATION	17	5.3	14.5	54	0	0	180	56	0	0	270	53	4	342	37	3	34	743
906 ORNAMENT & TURF DEV	101	34.1	129.4	967	1	0	0	0	0	0	988	0	23	3625	191	883	373	5863
907 RURAL INCOME IMP	23	9.3	22.5	473	0	15	0	0	0	0	488	0	36	625	25	54	158	1386
908 RURAL INSTITUT IMP	37	11.0	30.7	445	0	12	0	0	0	0	457	5	85	910	54	8	74	1573
SUBTOTAL		158.0	554.3	3301	570	38	180	261	4	0	4333	129	2807	14331	873	2345	3089	27705
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		1145.7	4941.4	26066	3220	2885	4650	1217	511	481	39010	4064	25302	98203	13000	21186		213550

SAES REGION 2 SOUTHERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	313	102.1	359.8	1925	196	40	0	445	0	0	2607	857	2053	10588	852	777	2805	20337
0200 WATER	192	57.7	185.6	1090	95	9	0	197	0	0	1392	400	688	8205	418	965	835	10900
0300 WATERSHEDS RIVER BAS	46	13.7	32.9	178	57	50	0	160	0	0	444	45	79	1160	65	279	489	2542
0400 AIR AND CLIMATE	21	3.8	10.8	87	0	0	0	108	0	0	193	57	7	305	5	17	8	592
0500 RECREATION RESOURCES	28	7.7	16.6	85	95	0	0	0	0	0	180	94	65	692	29	42	35	1136
0600 TIMBER FORST PRODUCT	427	185.1	560.4	389	4827	783	744	183	0	8	8914	4779	1645	16588	726	3351	2281	36282
0700 RANGE	49	18.4	69.9	711	0	93	0	0	0	0	804	113	151	2080	631	146	13	3917
0800 WILDLIFE AND FISH	285	113.9	425.1	938	480	1599	18	1221	61	0	4316	598	3068	10048	1102	1377	3420	23929
0900 CITRUS SUB TRDP FRUT	156	71.9	231.4	862	0	361	92	65	0	0	1380	724	419	8639	121	933	165	12382
1000 FRUIT NUTS DECIDUOUS	325	100.8	391.5	2648	0	515	0	250	0	0	3413	285	160	15245	798	586	438	20902
1100 POTATDES	41	10.1	35.9	289	0	38	0	48	0	0	355	7	350	1410	22	81	85	2310
1200 VEGETABLES	522	211.2	720.2	3749	0	1030	130	2671	0	0	7580	371	744	24618	775	1348	964	36397
1300 ORNAMENTALS TURF	215	101.8	305.7	2305	0	94	0	176	0	0	2575	47	70	12142	385	1050	395	16665
1400 CORN	284	84.0	190.8	1213	0	33	184	312	0	0	1742	373	975	7085	407	497	623	11713
1500 GRAIN SORGHUM	181	37.7	143.1	559	0	40	37	48	0	0	692	123	1019	4179	496	496	370	7378
1600 RICE	107	41.0	151.2	588	0	34	0	0	0	0	622	86	689	4133	449	942	1238	8159
1700 WHEAT	208	53.4	184.2	1151	0	20	108	104	0	0	1381	160	295	8325	448	633	319	9561
1800 OTHER SMALL GRAINS	67	12.7	40.9	200	0	1	44	87	0	0	333	27	198	1659	59	155	48	2479
1900 PASTURE	66	20.2	86.3	578	0	54	0	68	0	0	700	76	36	2340	212	65	112	3541
2000 FORAGE CROPS	320	97.5	327.9	2717	0	211	33	324	0	0	3285	173	129	12163	1030	632	313	17726
2100 COTTON	245	87.2	308.1	1878	0	216	262	0	0	0	2385	142	353	9192	1458	1250	598	15349
2200 COTTONSEED	3	0.3	1.3	0	0	0	0	0	0	0	0	5	19	32	1	44	0	102
2300 SOYBEANS	425	120.6	412.9	2789	0	317	84	1368	0	0	4536	270	503	13883	1024	1238	1449	22701
2400 PEANUTS	136	40.5	159.7	814	0	107	0	103	0	0	824	111	902	5136	288	434	832	8328
2500 OTHER DILSEED CROPS	12	2.7	11.0	59	0	0	0	102	0	0	161	15	45	245	20	128	11	625
2600 TOBACCO	128	47.1	189.3	875	0	39	0	0	0	0	913	119	38	8667	271	223	580	10811
2700 SUGAR CROPS	76	27.7	152.2	821	0	48	0	16	0	98	980	19	34	3197	232	674	45	5180
2800 MISC NEW CROPS	50	12.2	87.2	458	0	201	0	49	0	0	718	133	146	1289	71	211	7	2546
2900 POULTRY	287	127.9	473.0	2896	0	282	316	750	237	117	4397	171	456	17755	890	1332	1135	26137
3000 BEEF CATTLE	539	170.7	795.7	3946	0	858	607	856	498	0	6365	611	1484	29574	6175	1881	737	46807
3100 DAIRY CATTLE	365	112.8	507.9	3264	0	232	172	877	254	0	4599	297	751	19336	3153	1548	1023	30705
3200 SWINE	225	82.6	277.0	2145	0	81	182	764	100	0	3252	114	393	10871	910	569	401	16310
3300 SHEEP AND WOOL	104	20.0	97.1	586	0	177	25	0	67	0	855	24	239	3304	448	247	161	5277
3400 OTHER ANIMALS	189	77.8	225.3	752	0	288	127	2226	275	0	3647	57	829	8364	588	894	395	14776
3500 BEES AND HONEY	10	3.1	7.9	15	0	16	26	0	0	0	58	40	11	376	164	13	0	862
3600 FARM SUPP & FACILITS	26	8.1	17.4	141	4	16	32	0	0	0	193	47	29	724	67	47	16	1124
3700 CLOTHING & TEXTILES	31	8.2	17.3	197	0	0	0	335	0	0	532	34	96	579	19	7	33	1299
3800 FOOD	90	34.1	108.7	744	0	12	125	831	0	59	1571	84	321	3318	65	456	185	6001
3900 HOUSING & EQUIP	61	20.2	48.5	550	13	20	0	213	0	0	796	36	49	2183	118	117	77	3374
4000 PEOPLE AS INDIVIDUAL	127	39.3	96.6	739	45	8	97	1785	0	0	2655	19	281	2183	69	187	289	5683
4100 FAMILY MEMBERS	48	16.3	31.6	279	0	0	37	805	0	0	920	44	37	855	11	167	5	2039
4200 FARM AS BUSINESS	84	35.7	71.1	624	0	54	0	332	0	0	1009	57	98	2596	66	60	43	3929
4300 SOC POLIT ORGANIZ	95	37.5	83.8	787	46	79	0	1018	0	0	1930	39	3	2083	80	200	119	4454
4400 AGRIC ECONOMY U S	48	20.3	44.7	296	7	4	0	13	0	0	319	80	36	1828	10	145	141	2571
4500 AGRIC ECONOMY FORGN	6	1.3	2.5	5	0	12	0	0	0	0	18	2	0	133	0	0	41	194
4600 FARM COOPERATIVES	10	1.0	1.0	16	0	0	0	0	0	0	16	1	0	68	3	0	0	88
4700 OTH MARKET PROCESS	13	1.3	3.4	61	0	0	0	66	0	0	127	0	0	119	3	0	31	281
4800 MARKETING SYSTEMS	31	10.3	23.0	183	0	23	0	293	0	0	499	70	54	873	35	0	134	1464
6100 WEEDS	51	9.7	40.8	228	2	45	26	35	0	0	335	79	37	1389	25	201	118	2184
6200 SEED RESEARCH	11	3.2	10.8	32	0	0	0	0	0	0	32	0	1	419	32	13	9	506
6300 BIO CELL SYSTEMS	67	30.3	93.0	347	0	35	71	146	0	0	598	5	2371	2588	105	526	122	8316
6400 EXP DESIGN/STAT METH	35	13.0	17.5	57	1	0	0	55	0	0	113	100	323	912	7	6	247	1708
6500 INVERTEBRATES	127	42.3	107.3	736	0	58	546	83	0	0	1422	210	368	4274	77	276	312	6940
6600 MICROORGANISMS VIRUS	134	42.0	136.7	676	0	90	783	0	0	0	1549	185	1841	4215	37	788	538	9150
6700 PLANTS	213	84.1	256.6	668	14	71	1199	18	0	0	1969	718	1732	7893	314	1786	1520	15931
6800 ANIMALS(VERTEBRATES)	85	42.9	98.1	342	2	3	178	315	39	0	779	67	1233	3873	140	455	632	7178
6900 RESEARCH ON RSCH MGM	15	3.9	8.7	146	1	71	0	0	0	0	218	40	9	295	0	35	32	630
7000 RSCH EQUIP & TECHNOL	34	8.5	22.5	185	33	5	38	80	0	0	299	33	131	846	9	53	139	1509
TOTAL		2721.5	9493.6	51157	5918	8207	6219	19156	1531	281	92468	13265	26073	322428	26013	30576	28890	539715

SAES REGION 2 SOUTHERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

	CLASSIFICATION CATEGORY	NO OF PRDJS	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	DTH CSRS	TOTAL CSRS	USDA CGCA	DTH FED	STATE APPRD	PRDD SALE	IND -TRY	DTH -ER	TOTAL
SERIES 100																			
101	APPRAIS OF SDIL RESO	88	29.7	87.5	541	31	0	0	0	0	0	572	105	614	2719	148	105	1077	5340
102	SDIL PLNT WTR NUTRI	285	89.4	374.7	1930	219	104	66	748	0	0	3087	1022	882	11220	814	1332	2016	20353
103	MGMT OF SALINE SOILS	24	4.7	27.0	85	19	0	0	0	0	0	104	1	44	718	81	25	51	1004
104	ALTERN USE OF LAND	29	6.9	15.5	106	0	0	0	40	0	0	145	11	41	620	28	7	276	1130
105	CONSERV USE OF WATER	109	41.4	136.3	630	11	0	53	284	0	0	978	333	403	4145	410	531	305	7105
106	DRAIN AND IRRIGATION	37	14.2	42.5	281	0	57	0	0	0	0	338	9	91	1382	64	126	125	2135
107	WATERSHED PROT & MGMT	56	20.0	80.3	314	146	0	0	0	0	0	460	223	200	1971	161	488	347	3849
108	ECON LEG PROB OF WAT	19	5.1	7.3	111	2	0	0	0	0	0	113	7	16	419	33	8	6	801
109	WEATHER ADAPT & MGMT	39	13.4	26.2	240	5	0	0	22	0	0	267	53	176	1231	57	132	86	2022
110	APPRAIS FORST & RANG	34	8.6	20.2	79	219	30	0	0	0	0	328	126	116	594	107	61	99	1431
111	BIDL CULT MGMT FORST	125	45.2	162.7	105	1521	75	250	58	0	0	2018	2222	510	4280	188	765	355	10349
112	IMPROV RANGE RESOR	35	12.1	47.6	452	0	32	0	0	0	0	484	87	124	1364	440	84	13	2516
113	REMOTE SENSING	14	5.4	13.7	16	99	0	0	73	0	0	187	0	178	354	38	50	24	832
114	RSCH ON MGMT OF RSCH	15	3.9	8.7	146	1	71	0	0	0	0	218	40	8	285	0	35	32	630
	SUBTOTAL	311.0		1030.3	5035	2274	369	379	1224	0	0	9280	4249	3404	31332	2551	3748	4833	59397
SERIES 200																			
201	CNTRL FORST INSECTS	47	12.5	34.1	46	389	24	336	0	0	0	796	255	55	1035	41	4	70	2286
202	CNTRL FOREST DIS	33	11.7	25.3	52	315	0	0	0	0	0	377	98	53	888	25	285	113	1818
203	FOREST FIRE PROTECT	1	0.2	0.2	0	10	0	0	0	0	0	10	0	0	7	0	0	0	17
204	CNTR PESTS FRT & VEG	145	47.2	158.5	959	0	219	36	123	0	0	1338	111	79	5855	126	407	189	7905
205	CNTR DISE FRT & VEG	238	82.1	291.7	1255	0	532	0	56	0	0	1843	808	201	10882	302	559	422	15017
206	CNTR WEEDS FRT & VEG	54	13.7	50.4	286	0	22	0	87	0	0	406	33	25	1891	42	141	46	2384
207	CNTR PESTS FLD CROPS	289	101.3	355.5	2300	0	528	277	461	0	0	3587	328	595	10705	522	1139	930	17887
208	CNTR DIS FLD CROPS	330	109.3	405.6	2273	0	315	34	89	0	0	2690	302	582	12825	797	1322	1881	20300
209	CNTR WEEDS FLD CROPS	143	51.3	201.4	1450	0	87	8	0	0	0	1545	53	208	6261	726	1299	770	10862
210	CNTR PESTS ANIMALS	71	23.3	74.1	415	2	183	0	0	139	0	739	41	199	2591	73	185	224	4151
211	CNTR DIS ANIMALS	326	154.0	434.0	1265	0	882	326	366	770	0	3600	758	1819	22238	1625	1823	1001	32663
212	CNTR INTER PARASITES	58	17.5	54.4	277	0	36	31	0	73	0	418	8	136	2395	137	208	153	3455
213	PRDT ANMLS FROM TOXI	53	25.1	72.0	212	0	0	50	35	133	0	429	9	651	2741	143	249	187	4409
214	PRDCTCT FROM PDLLUTI	63	24.1	74.7	317	55	33	3	104	45	0	588	574	1143	2103	29	210	263	4890
	SUBTOTAL	673.2		2242.9	783	1118	2851	1101	1302	1181	0	18325	3379	5854	82100	4689	7630	6048	128026
SERIES 300																			
301	GENET BREED FORST TR	36	23.3	57.8	20	474	0	15	125	0	0	633	205	326	1735	77	905	1020	4903
302	IMP FOREST ENG SYS	23	6.6	18.7	9	129	258	56	0	0	0	452	25	18	730	107	110	24	1465
303	ECON TIMBER PRODUCTN	37	11.0	44.3	1	484	10	0	0	0	0	495	48	45	1684	29	134	159	2504
304	IMP BID EFF FRT & VE	357	138.2	589.5	2538	0	432	201	1835	0	0	5005	159	360	19119	843	1227	674	27398
305	MECH PROD FRT & VEGS	52	13.4	35.2	314	0	0	0	0	0	0	314	15	10	1745	53	157	30	2323
306	PROD MGMT SYS F & V	52	9.6	36.2	274	0	125	0	85	0	0	483	4	23	1330	109	61	31	2041
307	IMP BID EFF FLD CRP	544	218.3	934.1	4791	0	311	666	1058	0	20	6845	951	1539	31788	2458	2030	2484	48084
308	MECH PROD FLD CROP	49	17.5	53.2	486	0	0	0	0	0	78	564	25	32	1778	160	246	196	3001
309	PROD MGMT SYS FLD CR	194	59.3	164.8	1052	0	113	5	177	0	0	1347	95	59	6039	947	594	446	8526
310	ANIMAL REPRODUCTION	186	72.4	340.0	2302	0	157	583	709	102	0	3853	48	861	12758	1529	751	302	20102
311	IMP BID EFF ANML PR	424	178.7	947.0	5287	0	294	249	3168	192	117	9307	235	555	31715	5663	2076	1664	51216
312	ENV STRESS IN ANML P	78	21.1	90.5	656	0	0	45	234	2	0	936	62	67	3025	589	409	101	5189
313	PROD MGMT SYS ANML P	128	28.7	120.6	695	0	36	0	0	0	0	731	36	32	4521	1060	143	281	5904
314	BEES OTH POLLNTNG IN	10	3.1	7.9	15	0	16	26	0	0	0	58	40	11	376	164	13	0	652
315	IMP STRUC FARM SUPP	31	14.1	28.4	304	0	0	32	0	0	0	335	55	13	1463	112	43	17	2049
316	FARM BUSINESS MGMT	68	27.4	54.6	458	0	54	0	261	0	0	783	31	72	1943	58	48	35	2870
317	MECH/STRUCTS ANML PR	17	3.3	12.6	99	0	0	0	0	0	0	99	0	0	592	18	25	4	739
318	NON COM BID TECH/BIM	336	133.3	413.0	1718	35	86	2364	146	0	0	4349	279	5461	13634	338	1928	1333	27522
	SUBTOTAL	950.2		3928.3	21028	1122	1891	4242	7797	295	215	35590	2334	9486	136274	14313	11000	8811	218808
SERIES 400																			
401	NEW IMP FOREST PROD	90	40.3	135.9	16	630	438	90	0	0	8	1182	404	217	3891	165	794	308	6954
402	PRDD F & V IMP ACCEP	107	19.2	85.8	375	0	25	0	251	0	0	651	5	8	2509	60	122	65	3421
403	NEW & IMP F & V PROD	67	27.8	81.0	621	0	115	0	147	0	0	883	105	33	2915	128	195	222	4482
404	MKT QUAL FRTS & VEGS	58	21.0	49.7	372	0	124	0	79	0	0	574	32	88	2372	14	117	62	3257
405	PROD FLD CROP IMP AC	87	22.4	72.9	449	0	0	0	0	0	0	449	113	38	2835	233	278	145	4091
406	NEW IMP FOOD FLD CRO	53	11.7	43.5	288	0	0	0	160	0	0	448	14	162	1414	40	338	77	2493
407	NEW IMP NON FOOD FC	21	10.9	52.4	245	0	63	0	0	0	0	308	55	132	930	164	519	7	2126
408	MKT QUAL FLD CROPS	40	11.2	29.7	214	0	0	0	213	0	0	426	38	82	1258	31	153	36	2024
409	PROD ANML PR IMP ACC	80	16.2	89.0	539	0	253	66	51	0	0	809	27	40	2405	503	234	74	4193
410	IMP MEAT MILK EGG PR	86	32.1	105.3	714	0	7	5	255	3	0	984	33	224	3426	798	364	335	5153
411	IMP NON FOOD ANML PR	5	0.7	2.1	18	0	3	0	15	0	0	37	0	3	30	0	3	0	73
412	MKT QUAL ANIMAL PROD	33	6.1	32.7	148	0	0	0	0	0	0	148	1	110	981	43	169	62	1514
	SUBTOTAL	218.6		740.0	3995	630	1028	161	1171	3	8	7000	838	1136	24968	2179	3285	1393	40800
SERIES 500																			
501	IMP GRADES & STANDS	15	3.4	16.7	90	0	0	0	0	0	0	90	15	9	493	26	26	38	697
502	MKTG TIMBER PRODDUCTS	20	4.5	4.9	18	154	0	0	0	0	0	171	90	13	199	5	3	11	491
503	MKTG EFF AGRI PRODS	57	12.5	25.5	377	0	52	0	0	0	0	428	44	39	957	14	28	35	1547
505	SPLY DEMAND AND PRIC	80	22.0	59.9	639	0	211	0	115	0	0	986	48	158					

SAES REGION 2 SOUTHERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	40	7.9	27.5	194	0	257	0	0	12	50	513	118	124	726	50	29	56	1615
702 FOOD PROT FROM TOX	65	15.6	68.5	507	0	0	22	175	20	9	733	87	378	2105	39	173	185	3699
703 FOOD CONSUMP HABITS	44	12.5	27.4	223	0	0	0	680	0	0	903	48	81	567	5	127	132	1864
704 HOME COMM FOOD SERV	6	2.0	3.3	9	0	0	0	59	0	0	69	0	0	115	2	0	10	195
705 SEL CARE CLOTH & TEX	29	6.3	14.8	128	0	0	0	335	0	0	463	14	25	435	17	7	29	990
706 CONTR INSECTS AFF MA	35	10.3	30.4	345	0	9	0	0	0	0	354	20	85	963	28	228	122	1780
707 TRANS ANIML MAN DIS	8	1.4	5.1	10	0	0	0	48	0	0	59	0	24	153	1	6	16	258
708 HUMAN NUTRITION	93	28.2	95.9	490	0	0	296	543	0	0	1329	67	478	3323	53	521	73	5843
709 REDUCE HAZ HLTH & SF	24	4.7	13.3	149	0	6	0	0	0	0	155	20	234	445	34	10	82	981
SUBTOTAL		89.9	286.2	2056		271	318	1841	32	59	4577	374	1408	8832	228	1101	704	17226
SERIES 800																		
801 RURAL HOUSING	26	6.0	14.3	135	0	0	0	357	0	0	492	0	2	397	9	3	0	904
802 INDIV & FAM DEC MAKI	38	11.1	18.2	176	0	0	0	516	0	0	691	0	2	503	6	64	3	1270
803 RURAL POVERTY	7	0.9	2.6	28	0	0	0	15	0	0	43	0	0	85	6	0	7	141
804 ECON POTENT RURL PED	36	11.5	32.5	214	0	0	0	746	0	0	960	0	0	352	4	0	9	1325
805 COMMUNICAT EDUC PROC	20	12.7	21.4	32	89	0	0	472	0	0	593	0	0	863	3	0	125	1385
806 ADJUSTMENT TO CHANGE	51	16.3	38.1	328	0	0	0	594	0	0	922	19	16	945	41	333	15	2291
807 AGRIC ECONOMIC CHANG	55	21.3	39.0	399	7	3	0	291	0	0	701	70	16	1499	20	4	180	2489
808 GOVT PROGRAMS	19	7.9	20.1	161	0	14	0	0	0	0	176	32	35	753	8	15	4	1022
SUBTOTAL		87.7	186.3	1473	96	18		2992	0	0	4579	122	71	5197	98	419	323	10808
SERIES 900																		
901 ALLEY POLLUTION	115	37.2	126.5	917	107	34	0	337	0	0	1395	447	477	4051	289	621	459	7739
902 OUTDOOR RECREATION	28	7.9	16.3	90	102	0	0	0	0	0	192	145	50	718	13	39	30	1187
903 MULTI USE FOREST POT	29	5.2	27.0	6	131	0	0	0	0	0	137	37	257	359	67	17	150	1025
904 WDLFE AND FISH ECOL	220	99.8	388.2	690	402	1223	18	1276	39	0	3648	566	2520	8751	918	1275	2985	20663
905 TREES BEAUTIFICATION	23	6.3	15.3	129	15	2	0	0	0	0	146	6	6	719	29	35	4	944
906 ORNAMENT & TURF DEV	199	89.9	269.6	1981	0	91	0	176	0	0	2249	47	59	10851	338	874	352	14769
907 RURAL INCOME IMP	23	7.7	15.5	248	2	39	0	0	0	0	289	14	2	540	8	16	18	887
908 RURAL INSTITUT IMP	34	10.6	23.1	257	0	39	0	399	0	0	705	3	1	495	20	2	19	1245
SUBTOTAL		284.9	861.6	4328	759	1429	18	2188	39	0	8762	1264	3372	28484	1682	2879	4016	48460
SCIENCE IN SERV OF MAN																		
GRAND TOTAL	2721.5		9493.6	51157	5918	8207	6219	18156	1531	281	92468	13265	28073	322429	26013	30576	28890	539715

SAES REGION 3 NORTH CENTRAL REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY		NO OF PROJ	STAFF SUPPORT SYS		YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	DTH FED	STATE APPRO	PRDD SALE	IND -TRY	OTH -ER	TOTAL
0100	SOIL AND LAND	344	108.4	345.7	2244	40	273	0	23	0	0	0	2581	1298	1751	11799	998	2070	1742	22239
0200	WATER	142	38.1	105.2	767	26	0	0	0	0	0	0	794	513	685	4076	232	155	376	6830
0300	WATERSHEDS RIVER BAS	21	5.4	17.8	120	94	0	0	0	0	0	0	215	87	63	604	13	15	24	1001
0400	AIR AND CLIMATE	47	12.8	40.9	501	21	0	0	0	0	0	0	523	28	491	1082	59	28	301	2511
0500	RECREATION RESOURCES	23	9.4	16.7	67	65	0	0	0	0	0	0	132	108	166	817	1	23	144	1391
0600	TIMBER FORST PRODDUCT	356	116.1	303.2	669	2822	995	1330	0	0	0	0	5816	1152	582	10887	362	1182	2072	21834
0700	RANGE	47	16.7	49.6	353	16	52	0	122	0	0	0	543	3	356	1597	515	46	43	3104
0800	WILDLIFE AND FISH	94	27.3	109.8	289	104	5	40	0	18	0	0	456	23	1532	2829	236	522	866	6463
0900	CITRUS SUB TROP FRUT	5	0.8	1.1	16	0	0	0	23	0	0	0	39	0	0	39	0	4	9	91
1000	FRUIT NUTS DECIDUOUS	151	40.8	147.6	1095	4	535	6	23	0	0	0	1863	133	44	6210	333	994	854	10032
1100	POTATOES	97	25.8	90.4	781	0	754	101	0	0	0	0	1636	276	131	2917	114	539	188	5800
1200	VEGETABLES	248	62.2	212.1	1762	0	264	135	388	0	23	2573	316	741	7233	250	1585	452	13149	
1300	ORNAMENTALS TURF	117	37.7	130.7	1003	0	13	0	0	0	0	0	1016	72	51	4818	179	810	743	7688
1400	CORN	483	113.1	422.3	3384	0	378	319	0	0	0	0	4082	696	1051	11627	983	3632	1259	23329
1500	GRAIN SORGHUM	95	26.5	76.3	420	0	0	0	36	0	0	0	456	64	1029	1997	346	219	362	4473
1600	RICE	13	4.8	20.4	18	0	0	0	0	0	0	0	18	0	3	828	6	238	59	1152
1700	WHEAT	249	75.9	234.0	1455	0	285	196	0	0	0	0	1936	418	506	7288	1238	1031	1006	13401
1800	OTHER SMALL GRAINS	138	35.0	124.3	871	0	72	196	0	0	0	0	1139	112	459	3815	411	941	669	7546
1900	PASTURE	14	1.8	7.9	84	0	0	0	0	0	0	0	84	2	26	201	34	13	31	391
2000	FORAGE CROPS	198	44.7	168.2	1526	1	4	28	0	0	0	0	1560	307	436	5165	588	494	303	8851
2100	COTTON	7	2.7	5.8	40	0	0	0	0	0	0	0	40	0	2	208	32	1	59	339
2200	COTTONSEED	1	0.0	0.1	0	0	0	0	0	0	0	0	0	0	0	9	0	1	0	11
2300	SOYBEANS	374	86.6	311.6	2159	0	378	567	125	0	0	0	3230	342	624	8847	896	2282	833	16854
2400	PEANUTS	4	0.7	1.6	34	0	0	0	0	0	0	0	34	0	0	36	0	14	1	85
2500	OTHER OILSEED CROPS	65	17.8	48.0	288	0	184	0	0	0	0	23	496	370	80	1210	172	251	231	2789
2600	TOBACCO	6	0.7	6.0	11	0	0	0	35	0	0	0	45	0	57	119	0	6	7	235
2700	SUGAR CROPS	29	6.7	23.4	115	0	26	0	0	0	0	0	141	12	25	844	27	277	39	1365
2800	MISC NEW CROPS	29	5.0	15.4	158	0	0	0	0	0	0	0	188	25	110	479	15	299	68	1154
2900	POULTRY	203	55.5	234.7	2029	0	157	452	0	92	0	0	2730	235	222	7397	903	921	516	12924
3000	BEEF CATTLE	488	120.1	674.3	3399	0	379	687	124	826	0	0	5215	1701	706	16011	10487	1804	626	36350
3100	DAIRY CATTLE	386	95.9	450.4	3146	0	345	295	0	432	0	0	4218	561	1290	13381	4396	3955	1060	28881
3200	SWINE	415	110.6	470.4	3505	0	632	898	111	279	0	0	5424	610	954	14795	4723	1614	2681	30802
3300	SHEEP AND WOOL	100	24.5	111.7	536	0	25	336	122	68	0	0	1087	281	224	3435	1253	77	82	6439
3400	OTHER ANIMALS	171	41.5	117.5	409	0	30	225	148	107	0	0	919	51	2851	2403	765	552	812	8352
3500	BEEES AND HONEY	3	0.8	1.1	6	0	0	0	0	0	0	0	6	0	1	142	0	7	9	165
3600	FARM SUPP & FACILITS	27	9.9	27.4	246	0	188	0	0	0	0	0	434	59	109	887	256	216	34	1997
3700	CLOTHING & TEXTILES	23	6.4	8.9	151	0	0	0	12	0	0	0	184	1	0	878	1	1	7	853
3800	FOOD	169	51.1	182.9	1776	0	296	115	89	0	0	0	2256	792	2285	5090	164	2369	495	13452
3900	HOUSING & EQUIP	35	9.6	24.8	184	30	0	42	12	0	0	0	268	12	34	963	68	78	148	1571
4000	PEOPLE AS INDIVIDUAL	138	34.3	85.3	579	0	0	171	142	0	0	0	892	23	832	3905	34	332	88	8085
4100	FAMILY MEMBERS	113	26.5	65.5	612	0	0	0	28	0	0	0	639	57	747	2401	84	153	133	4214
4200	FARM AS BUSINESS	74	21.6	43.5	566	3	0	0	8	0	0	0	578	82	51	1946	114	99	187	3037
4300	SOC POLIT ORGANIZ	105	37.4	74.7	834	7	145	0	0	0	49	1035	483	2553	2948	40	156	570	7785	
4400	AGRIC ECONOMY U S	56	16.7	42.0	493	0	250	0	8	0	0	0	751	196	125	1618	24	189	346	3229
4500	AGRIC ECONOMY FORGN	16	12.8	34.4	123	0	181	0	0	0	0	0	304	183	2180	696	11	337	519	4231
4600	FARM COOPERATIVES	10	2.7	5.5	68	0	0	0	0	0	0	0	68	82	4	233	9	62	5	463
4700	OTH MARKET PROCESS	9	1.0	2.9	34	0	0	0	8	0	0	0	42	14	4	100	2	0	5	167
4800	MARKETING SYSTEMS	28	5.7	14.6	221	0	117	0	0	0	0	0	338	14	0	530	8	2	7	900
6100	WEEDS	35	13.8	48.3	370	0	7	0	0	0	0	0	377	9	109	1647	79	446	246	2914
6200	SEED RESEARCH	8	2.7	20.0	25	0	0	0	0	0	0	0	25	54	14	246	597	71	10	1018
6300	BIO CELL SYSTEMS	88	26.4	139.4	503	10	0	58	0	0	0	0	571	76	3982	3136	77	554	159	8555
6400	EXP DESIGN/STAT METH	30	13.5	26.7	221	0	0	0	0	0	0	0	221	849	159	1225	136	183	169	2943
6500	INVERTEBRATES	81	20.4	58.5	374	35	6	477	0	9	0	0	901	117	459	1917	34	194	165	3788
6600	MICRODRGANISMS VIRUS	146	40.8	159.3	731	0	56	1649	0	24	0	0	2459	147	2884	4401	76	453	281	10701
6700	PLANTS	259	76.3	262.6	1824	0	359	2495	0	0	0	0	4478	407	2090	7542	308	729	1050	16604
6800	ANIMALS(VERTEBRATES)	177	64.8	224.6	1257	0	145	202	36	98	0	0	1739	98	4356	6978	939	785	1037	15945
6900	RESEARCH ON RSCH MCM	10	2.8	5.5	221	0	3	0	0	0	0	0	223	1	1	245	1	0	0	472
7000	RSCH EQUIP & TECHNOL	43	10.6	42.4	162	7	9	46	0	0	0	0	224	62	1380	1290	29	230	114	3330
TOTAL		1880.3	6696.1	44836	3086	7548	11136	1532	1755	96	89788	13571	41587	205748	33462	34013	24084	422253		

SAES REGION 3 NORTH CENTRAL REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PRDD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESD	71	24.2	76.8	360	1	0	0	0	0	0	361	438	221	3204	134	587	656	5599
102 SDIL PLNT WTR NUTRI	288	87.0	285.4	1924	183	276	129	82	0	0	2594	760	1404	9003	1117	1396	1160	17433
103 MGMT OF SALINE SOILS	6	0.8	2.7	8	0	0	31	0	0	0	40	0	26	98	0	0	6	171
104 ALTERN USE OF LAND	35	6.9	19.9	134	1	0	0	0	0	0	136	152	33	636	20	33	174	1182
105 CONSERV USE OF WATER	67	18.6	54.9	319	1	0	18	0	0	0	337	190	356	1683	145	212	205	3128
106 DRAIN AND IRRIGATION	37	10.0	28.0	359	0	0	0	0	0	0	359	79	241	1159	51	59	77	2024
107 WATERSHED PROT & MGMT	31	8.7	35.0	219	99	0	0	0	0	0	318	142	128	991	76	83	41	1780
108 ECON LEG PROD OF WAT	10	4.1	5.1	85	0	0	0	0	0	0	85	70	82	378	3	1	25	641
109 WEATHER ADAPT & MOD	49	12.6	45.9	502	21	2	0	0	0	0	625	17	558	1106	71	36	126	2440
110 APPRAIS FORST & RANG	33	10.1	28.6	34	170	0	0	91	0	0	294	15	300	912	42	7	220	1791
111 BIOL CULT MGMT FORST	87	28.7	74.2	23	678	0	302	0	0	0	1003	197	84	2585	83	347	655	4934
112 IMPROV RANGE RESOR	34	11.1	24.8	260	16	23	0	30	0	0	329	0	36	1069	462	23	14	1933
113 REMOTE SENSING	19	4.4	15.9	130	76	148	0	0	0	0	354	0	156	622	4	5	82	1123
114 RSCH ON MGMT OF RSCH	10	2.8	5.5	221	0	3	0	0	0	0	223	1	1	245	1	0	0	472
SUBTOTAL		230.1	702.3	4577	1246	452	480	204	0	0	6958	2061	3605	23587	2208	2788	3442	44650
SERIES 200																		
201 CNTRL FORST INSECTS	35	8.5	23.2	130	142	2	174	0	0	0	446	84	10	774	14	140	114	1583
202 CNTRL FOREST DIS	40	7.5	21.3	62	186	2	226	0	0	0	475	73	19	683	10	24	115	1399
203 FOREST FIRE PROTECT	1	0.1	0.0	0	0	0	0	0	0	0	0	0	0	7	0	0	6	13
204 CNTR PESTS FRT & VEG	71	13.8	49.9	561	0	167	81	0	0	0	809	217	22	1604	30	370	114	3186
205 CNTR DISE FRT & VEG	133	33.5	102.9	861	0	823	107	0	0	0	1591	356	221	3567	81	1349	408	7574
206 CNTR WEEDS FRT & VEG	28	6.9	27.1	245	0	19	40	0	0	23	327	17	38	889	26	196	13	1506
207 CNTR PESTS FLD CROPS	143	47.4	160.2	1203	0	730	116	0	0	0	2048	214	362	3756	240	838	854	8112
208 CNTR DIS FIELD CROPS	204	71.3	204.7	2086	0	284	129	0	0	0	2600	256	562	6523	162	1311	574	11889
209 CNTR WEEDS FLD CROPS	85	32.3	112.3	820	0	53	0	0	0	0	873	312	186	3356	349	1050	380	6504
210 CNTR PESTS ANIMALS	38	7.8	24.8	237	0	52	7	0	38	0	334	106	4	732	169	77	36	1457
211 CNTR DIS ANIMALS	544	159.6	504.0	1571	0	1237	702	0	1223	0	4733	845	4473	17137	1855	2136	2816	33794
212 CNTR INTER PARASITES	27	5.5	16.2	149	0	13	0	0	69	0	231	18	0	659	76	55	87	1105
213 PROT ANMLS FROM TOXI	33	8.5	28.6	231	0	2	0	0	74	0	308	20	75	953	199	359	32	1946
214 PROTECT FROM POLLUTI	44	9.8	35.6	211	112	3	32	0	19	0	377	413	290	1247	102	187	220	2836
SUBTOTAL		412.5	1310.7	8366	439	3185	1615	0	1423	23	15051	2731	6263	41887	3312	8092	5549	82884
SERIES 300																		
301 GENET BREED FORST TR	41	12.4	38.0	88	444	0	179	0	0	0	711	39	80	1346	16	158	173	2503
302 IMP FOREST ENG SYS	8	1.7	2.7	3	2	28	93	0	0	0	125	0	0	79	4	0	7	215
303 ECON TIMBER PRODUCTN	15	4.7	6.4	6	85	12	0	0	0	0	102	8	29	349	46	3	7	543
304 IMP BIO EFF FRT & VE	181	48.7	182.6	1372	0	405	200	283	0	0	2260	128	861	8561	363	597	269	10838
305 MECH PROD FRT & VEGS	14	2.5	6.7	74	0	6	0	0	0	0	79	19	27	391	2	33	18	570
306 PROD MGMT SYS F & V	30	4.6	23.0	105	0	106	0	0	0	0	211	7	58	905	95	347	43	1666
307 IMP BIO EFF FLD CRP	402	177.7	655.9	3790	0	88	1213	125	0	0	5216	918	2087	18253	2664	3931	2155	35224
308 MECH PROD FIELD CRP	31	7.3	16.0	183	0	0	0	0	0	0	183	5	5	819	15	53	17	1097
309 PROD MGMT SYS FLD CR	86	21.1	68.0	623	0	7	0	0	0	0	631	97	123	2204	390	337	204	3987
310 ANIMAL REPRODUCTION	208	61.4	309.9	1980	0	121	1323	358	156	0	3938	363	1383	8388	3882	806	192	18953
311 IMP BIO EFF ANML PR	369	145.4	930.8	6038	0	97	683	0	121	0	6939	2120	1475	21741	14014	3167	2883	52339
312 ENV STRESS IN ANML P	57	13.4	52.2	500	0	24	21	0	36	0	582	13	357	1257	636	118	21	2985
313 PROD MGMT SYS ANML P	83	16.7	88.0	733	0	9	0	0	0	0	741	34	64	2691	1535	237	32	5333
314 BEES OTH POLLNTNG IN	3	0.8	1.1	6	0	0	0	0	0	0	6	0	1	142	0	7	9	165
315 IMP STRUC FARM SUPP	28	11.4	27.1	245	0	193	0	0	0	0	438	24	34	1101	303	144	31	2076
316 FARM BUSINESS MGMT	52	13.2	30.1	360	0	0	0	8	0	0	368	38	48	1281	103	23	104	1985
317 MECH/STRUCTS ANML PR	11	2.1	5.3	24	0	0	0	0	0	0	24	0	0	228	40	21	53	365
318 NON CDM BIO TECH/BIM	401	141.6	543.5	2547	10	36	4050	0	0	0	5643	798	11761	15239	879	2863	987	39170
SUBTOTAL		686.5	2987.4	18674	541	1131	7762	774	314	0	29196	4611	18174	82976	24986	12846	7205	179995
SERIES 400																		
401 NEW IMP FOREST PROD	57	17.8	47.8	86	311	852	453	0	0	0	1802	68	128	1355	12	247	245	3857
402 PROD F & V IMP ACCEP	55	8.7	26.3	229	0	7	0	0	0	0	237	32	32	1158	39	174	114	1787
403 NEW & IMP F & V PROD	39	8.7	27.7	260	0	0	0	0	0	0	260	22	77	1061	4	353	191	1968
404 MKT QUAL FRTS & VEGS	27	8.1	27.3	242	0	92	0	0	0	0	334	11	117	1123	6	197	72	1860
405 PROD FLD CRP IMP AC	93	37.1	158.4	736	0	20	83	0	0	0	840	171	490	4856	526	970	488	8172
406 NEW IMP FODD FLD CRD	68	21.5	78.9	451	0	3	0	0	0	0	454	34	846	2343	116	522	319	4434
407 NEW IMP NON FODD FC	40	7.5	32.0	163	0	3	8	0	0	23	197	21	125	1138	112	445	83	2100
408 MKT QUAL FIELD CRDPS	36	10.9	27.1	312	0	2	0	0	0	0	314	50	247	884	8	189	104	1775
409 PRDD ANML PR IMP ACC	51	15.4	83.1	712	0	0	0	0	0	0	713	82	14	2642	543	447	117	4558
410 IMP MEAT MILK EGG PR	75	27.0	84.9	727	0	0	0	0	0	0	727	19	258	2698	282	728	216	4929
411 IMP NON FODD ANML PR	5	0.7	3.7	19	0	0	0	0	0	0	19	0	9	112	0	72	7	219
412 MKT QUAL ANIMAL PROD	23	7.4	19.5	248	0	0	0	0	0	0	248	0	5	580	16	304	110	1263
SUBTOTAL		170.7	617.7	4186	311	1080	544	0	0	23	6144	510	2148	19760	1864	4647	2048	38920
SERIES 500																		
501 IMP GRADES & STANDS	14	4.1	13.3	153	0	85	0	0	0	0	238	74	2	262	26	123	23	748
502 MKTG TIMBER PRODUCTS	6	2.2	3.6	0	89	0	0	0	0	0	89	36	15	169	0	0	21	330
503 MKTG EFF AGRI PRDPS	58	15.8	37.3	496	0	94	0	0	0	0	590	201	19	1558	30	334	57	2790
506 SPLY DEMAND AND PRIC	57	16.3	38.0	406	0	185	0	8	0	0	578	180	27	1860	47	82	32	2606
507 COMP REL IN AGRIC	14	2.9	10.7	80	0	81	0	0	0	0	161	16	0	320	13	4	50	584
508 DOMESTIC MKT DEVELP	13	1.3	6.7	56	0	0	0	8	0	0	63	52	25	289	3	125	85	643
509 PERFORMANCE MKTG SYS	49	9.7	18.3	352	0	46	0	0	0	0	398	85	20	873	7			

SAES REGION 3 NORTH CENTRAL REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	28	5.8	22.2	181	0	186	0	0	0	0	368	58	80	503	61	13	319	1381
702 FOOD PRDT FROM TOX	56	20.0	79.9	567	0	0	0	0	0	0	567	90	923	2002	97	785	241	4705
703 FOOD CONSUMP HABITS	33	7.2	16.9	134	0	0	0	22	0	0	156	267	172	725	2	161	15	1498
704 HOME COMM FOOD SERV	17	3.9	8.6	201	0	0	0	0	0	0	201	0	0	324	25	72	47	869
705 SEL CARE CLOTH & TEX	17	4.4	6.7	90	0	0	0	12	0	0	102	0	0	524	1	0	4	832
706 CONTR INSECTS AFF MA	15	1.8	9.9	74	0	0	7	0	0	0	81	0	37	279	1	88	90	557
707 TRANS ANIML MAN DIS	8	1.2	5.4	10	0	0	0	0	0	0	10	0	140	125	3	22	1	301
708 HUMAN NUTRITION	130	38.0	130.1	1022	0	0	688	485	0	0	2195	155	2148	3587	95	725	394	9300
709 REDUCE HAZ HLTH & SF	13	3.4	6.8	101	0	0	0	0	0	0	101	0	38	225	0	48	29	442
SUBTOTAL		85.8	288.4	2380	0	186	695	519	0	0	3781	571	3519	8295	285	1894	1140	19485
SERIES 800																		
801 RURAL HOUSING	14	3.2	8.3	54	0	0	0	12	0	0	67	6	0	289	8	0	101	450
802 INDIV & FAM DEC MAKI	73	18.4	29.6	309	0	0	0	8	0	0	317	0	137	1939	31	130	41	2595
803 RURAL POVERTY	8	1.2	2.7	13	0	0	0	0	0	0	13	25	11	86	0	4	1	140
804 ECON POTENT RURL PED	21	4.9	7.1	139	0	0	0	0	0	0	139	0	0	475	4	0	86	704
805 COMMUNICAT EDUC PROC	32	9.1	21.1	85	0	0	0	0	0	0	85	7	32	1482	0	55	12	1854
806 ADJUSTMENT TO CHANGE	86	16.2	42.8	324	0	0	0	0	0	0	324	80	882	1256	85	83	136	2585
807 AGRIC ECONOMIC CHANG	86	22.6	41.7	585	0	102	0	0	0	0	667	117	52	1688	38	126	421	3110
808 GOVT PROGRAMS	21	5.5	14.5	127	5	90	0	0	0	0	222	24	69	521	4	19	324	1184
SUBTOTAL		81.1	187.9	1617	5	192	0	20	0	0	1834	240	983	7885	150	417	1122	12421
SERIES 900																		
901 ALLEV POLLUTION	95	25.8	86.2	710	34	354	0	0	0	0	1099	361	397	3003	187	532	411	5990
902 OUTDOOR RECREATION	25	10.5	20.8	73	104	0	0	0	0	0	177	108	195	938	2	31	152	1803
903 MULTI USE FOREST POT	18	4.4	14.1	46	102	0	0	0	0	0	148	12	37	417	27	35	45	721
904 WDLFE AND FISH ECOL	87	26.8	111.0	285	128	5	40	0	18	0	456	23	1391	2701	250	507	909	8238
905 TREES BEAUTIFICATION	35	8.4	17.0	124	67	0	0	0	0	0	191	20	22	780	23	37	71	1144
906 ORNAMENT & TURF DEV	110	33.9	122.6	914	0	13	0	0	0	0	927	88	51	4469	182	752	729	7178
907 RURAL INCOME IMP	31	9.2	16.5	233	7	0	0	0	0	0	240	76	24	941	9	17	108	1415
908 RURAL INSTITUT IMP	46	11.5	25.4	392	0	144	0	0	0	49	586	323	1	945	0	114	9	1979
SUBTOTAL		130.7	413.5	2757	442	516	40	0	18	49	3823	991	2117	14194	882	2026	2434	28288
SCIENCE IN SERV OF MAN																		
GRAND TOTAL	1880.3	8896.1	44636	3086	7548	11136	1532	1755	96	69788	13571	41587	205748	33482	34013	24084	422253	

SAES REGION 4 WESTERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EYNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	282	91.9	209.3	1558	270	388	15	0	0	0	2211	527	1797	8491	387	980	542	14917
0200 WATER	233	82.1	166.3	1006	51	133	0	0	0	97	1297	408	1855	6992	191	781	3935	15439
0300 WATERSHEDS RIVER BAS	87	12.2	34.8	128	192	9	0	0	0	0	329	167	580	1089	14	93	80	2342
0400 AIR AND CLIMATE	37	15.9	29.5	73	0	1	0	0	0	0	74	63	824	1158	5	70	82	2275
0500 RECREATION RESOURCES	57	13.7	22.4	185	206	0	0	0	0	0	371	78	211	995	6	19	189	1889
0600 TIMBER FORST PRODUCT	420	180.6	373.5	482	2481	573	1540	0	0	274	5380	1928	2880	13133	884	1953	1215	27154
0700 RANGE	194	74.7	103.4	834	207	281	0	0	0	50	1372	289	1925	5077	274	113	507	9537
0800 WILDLIFE AND FISH	220	83.5	187.7	345	295	388	52	0	39	0	1118	504	2314	7889	88	468	1190	13330
0900 CITRUS SUB TROP FRUT	123	37.9	109.3	416	0	559	41	0	0	0	1016	194	115	8094	75	323	203	8019
1000 FRUIT NUTS DECIDUOUS	278	97.4	317.8	1866	0	132	0	0	0	0	2097	958	430	14137	266	1881	1110	20859
1100 POTATOES	93	31.8	64.7	382	0	294	0	0	0	0	655	199	153	2722	276	387	342	4733
1200 VEGETABLES	335	104.6	355.5	2224	0	378	241	0	0	48	2893	170	1789	13028	303	927	977	20087
1300 ORNAMENTALS TURF	113	33.9	89.5	590	0	17	0	0	0	0	607	109	146	4016	25	419	215	5538
1400 CORN	70	14.5	35.4	211	2	47	107	0	0	48	415	85	583	1175	44	89	82	2475
1500 GRAIN SORGHUM	22	2.1	8.4	58	0	0	0	0	0	0	58	9	5	349	8	36	21	486
1600 RICE	19	3.8	15.1	17	0	51	45	0	0	0	114	27	71	539	8	97	37	892
1700 WHEAT	203	53.1	167.0	825	0	411	168	0	0	0	1402	374	1716	5579	438	842	706	11058
1800 OTHER SMALL GRAINS	139	31.1	85.1	678	0	33	98	0	0	0	810	133	278	3084	138	490	301	5214
1900 PASTURE	31	3.0	4.9	78	13	11	0	0	0	0	101	7	3	181	21	18	34	365
2000 FORAGE CROPS	217	49.9	130.7	1254	0	182	58	0	0	0	1495	591	630	5520	189	329	179	8932
2100 COTTON	65	22.5	66.1	464	0	1	0	0	0	0	485	125	140	3129	19	250	115	4243
2200 COTTONSEED	2	0.6	1.4	17	0	0	0	0	0	0	17	0	0	51	5	1	5	78
2300 SOYBEANS	25	5.8	12.6	141	0	34	48	0	0	0	222	1	190	543	13	26	74	1069
2400 PEANUTS	2	1.3	1.2	0	0	0	0	0	0	0	0	0	0	106	3	0	4	113
2500 OTHER DILSEED CROPS	36	9.6	33.0	129	0	0	0	0	0	0	129	119	181	1483	43	289	180	2404
2600 TOBACCO	1	0.1	1.0	1	0	0	0	0	0	0	1	0	1	25	2	0	3	63
2700 SUGAR CROPS	27	4.2	13.4	82	0	31	0	0	0	0	112	1	1	674	22	87	51	929
2800 MISC NEW CROPS	83	19.1	55.7	341	0	456	0	0	0	65	882	109	788	1846	51	350	323	4310
2900 POULTRY	86	28.6	85.6	380	0	197	311	0	130	0	998	92	197	3381	159	385	206	5397
3000 BEEF CATTLE	322	176.2	405.6	2842	11	544	588	0	415	0	4207	785	7285	12011	4155	959	1446	30858
3100 DAIRY CATTLE	232	84.0	215.4	1198	0	345	183	0	327	50	2083	605	2174	8046	2103	1884	413	15409
3200 SWINE	92	11.5	33.6	385	0	186	325	0	39	0	915	57	9	1041	223	63	168	2474
3300 SHEEP AND WOOL	145	48.6	115.3	936	0	124	247	0	141	0	1448	317	2284	3914	686	117	425	9191
3400 OTHER ANIMALS	105	41.7	133.3	308	0	22	16	0	89	0	435	45	5053	2775	222	1189	499	10218
3500 BEES AND HONEY	15	5.4	10.3	86	0	0	0	0	0	0	86	60	0	866	1	37	5	834
3600 FARM SUPP & FACILITS	14	2.8	3.1	34	0	0	0	0	0	0	34	2	0	219	4	1	145	405
3700 CLOTHING & TEXTILES	22	4.3	11.9	53	0	0	0	0	0	0	53	15	10	524	1	6	1	809
3800 FOOD	89	41.7	93.0	484	0	185	108	0	0	0	777	107	1148	3704	29	693	266	6724
3900 HOUSING & EQUIP	21	4.9	11.4	81	28	0	61	0	0	0	171	6	0	517	1	56	30	780
4000 PEOPLE AS INDIVIDUAL	137	31.4	57.9	439	7	36	93	0	3	0	579	25	502	3418	64	421	70	5078
4100 FAMILY MEMBERS	67	14.7	14.9	225	0	18	0	0	0	0	243	15	184	1083	17	43	225	1791
4200 FARM AS BUSINESS	39	10.7	12.3	188	0	1	0	0	0	0	159	62	50	858	9	11	54	1203
4300 SOC POLIT ORGANIZ	77	22.0	30.5	276	65	39	0	0	0	0	380	25	119	1586	22	113	222	2467
4400 AGRIC ECONOMY U S	25	11.4	20.9	85	0	0	0	0	0	0	85	137	58	1189	0	105	17	1592
4500 AGRIC ECONOMY FORGN	9	4.9	5.1	29	0	25	0	0	0	0	54	23	18	466	1	60	5	825
4600 FARM COOPERATIVES	6	2.1	3.4	16	0	0	0	0	0	0	16	0	0	211	0	16	0	243
4700 OTH MARKET PROCESS	2	0.5	0.8	12	0	0	0	0	0	0	12	6	6	25	0	0	0	49
4800 MARKETING SYSTEMS	11	2.7	6.2	14	0	3	0	0	0	0	17	18	0	323	0	15	1	375
6100 WEEDS	41	6.9	16.1	143	0	59	191	0	0	0	393	3	58	651	11	62	63	1241
6200 SEED RESEARCH	27	13.8	52.4	75	0	0	0	0	0	125	200	17	392	890	552	67	739	2857
6300 BIO CELL SYSTEMS	85	24.2	71.9	175	0	128	65	0	7	63	428	49	2126	2390	54	315	127	5490
6400 EXP DESIGN/STAT METH	21	7.8	12.7	24	0	0	0	0	0	0	24	78	250	865	25	7	11	1260
6500 INVERTEBRATES	148	57.8	158.3	574	4	4	632	0	-25	0	1238	109	1828	6893	28	632	101	10829
6600 MICROORGANISMS VIRUS	152	43.9	140.6	416	3	186	1305	0	7	0	1918	153	2172	5066	41	926	84	10358
6700 PLANTS	287	98.2	279.4	1002	0	595	1049	0	0	83	2709	801	3308	10977	133	1059	410	19398
6800 ANIMALS(VERTEBRATES)	121	130.9	256.6	294	0	4	108	0	49	50	505	15	8169	8427	80	856	282	19334
6900 RESEARCH ON RSCH MGM	16	25.1	119.8	446	38	47	0	0	0	0	531	42	34	7138	169	179	152	8245
7000 RSCH EQUIP & TECHNOL	37	12.1	21.5	132	68	0	72	0	0	0	272	424	513	922	3	72	47	2254
TOTAL		2041.7	5096.8	28525	3861	7117	7746	0	1270	935	46554	11260	58559	196980	12366	21671	18927	386317

SAES REGION 4 WESTERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-O SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	57	16.6	40.0	278	67	45	0	0	0	0	390	185	281	1468	29	119	145	2636
102 SOIL PLNT WTR NUTRI	195	64.9	150.5	1061	260	253	53	0	0	0	1626	371	2221	5834	408	810	393	11264
103 MGMT OF SALINE SOILS	42	14.5	45.5	279	0	3	0	0	0	97	379	12	160	2086	7	346	10	3000
104 ALTERN USE OF LAND	52	9.7	10.9	170	9	81	0	0	0	0	269	36	249	781	15	11	133	1485
105 CONSERV USE OF WATER	127	35.2	83.4	638	55	37	0	0	0	0	731	292	380	3501	129	293	237	5543
106 DRAIN AND IRRIGATION	48	23.5	34.9	169	0	15	0	0	0	0	184	25	177	1617	22	42	3628	5695
107 WATERSHED PROT & MGMT	71	20.9	28.0	138	153	114	0	0	0	0	404	237	414	1442	21	50	129	2898
108 ECON LEG PROD OF WAT	37	10.9	22.2	228	2	0	0	0	0	0	229	77	284	918	10	93	74	1685
109 WEATHER ADAPT & MGD	43	21.3	30.8	159	39	7	0	0	0	0	205	15	1112	1103	7	68	87	2597
110 APPRAIS FORST & RANG	50	28.6	32.9	103	269	0	0	0	0	0	372	117	865	992	21	190	190	2747
111 BIOL CULT MGMT FORST	136	72.4	134.2	105	877	24	234	0	0	0	1240	930	979	4459	522	759	716	9604
112 IMPROV RANGE RESOR	129	39.9	70.7	475	149	180	0	0	0	0	804	232	587	3629	246	79	192	5768
113 REMOTE SENSING	29	11.0	21.2	67	79	0	0	0	0	0	146	90	287	498	6	80	21	1128
114 RSCH ON MGMT OF RSCH	16	25.1	119.8	446	38	47	0	0	0	0	531	42	34	7138	169	179	152	8245
SUBTOTAL	394.6		826.0	4314	1995	807	287	0	0	97	7501	2670	8019	35266	1611	2920	6107	64094
SERIES 200																		
201 CNTRL FORST INSECTS	43	9.6	22.8	94	100	25	529	0	0	217	965	65	88	789	2	85	32	2025
202 CONTROL FOREST DIS	33	8.6	28.2	95	128	4	0	0	0	0	227	100	109	1096	2	98	41	1673
203 FOREST FIRE PROTECT	14	5.7	6.3	1	128	0	0	0	0	50	179	68	89	229	0	3	34	802
204 CNTR PESTS FRT & VEG	173	47.6	165.2	1154	0	599	0	0	0	0	1753	261	262	6814	110	575	401	10178
205 CNTR DISE FRT & VEG	233	72.6	236.2	1278	0	406	64	0	0	48	1798	348	366	9548	221	1020	565	13886
206 CNTR WEEDS FRT & VEG	54	9.6	30.7	280	0	44	2	0	0	0	326	51	181	1119	17	113	66	1873
207 CNTR PESTS FLD CROPS	130	36.0	76.3	685	0	108	79	0	0	0	872	180	324	3765	80	364	102	5656
208 CNTR DIS FLD CROPS	139	31.2	104.4	479	0	435	85	0	0	0	1000	133	232	4020	74	545	281	8285
209 CNTR WEEDS FLD CROPS	89	26.8	54.8	382	26	105	97	0	0	0	610	101	102	2390	110	292	329	3934
210 CNTR PESTS ANIMALS	28	6.8	16.1	157	4	2	0	0	84	0	247	11	53	706	11	123	8	1160
211 CNTR DIS ANIMALS	235	221.5	413.8	866	0	1086	627	0	768	0	3346	668	10283	11267	3025	2058	1867	32513
212 CNTR INTER PARASITES	34	9.0	15.2	283	0	99	45	0	57	0	484	73	43	616	4	121	75	1416
213 PROT ANMLS FROM TOX	28	52.2	105.4	123	11	22	0	0	84	0	241	0	6405	1141	998	236	405	9425
214 PROTECT FROM POLLUT	61	21.0	128.3	285	15	294	0	0	4	0	597	717	4246	2003	9	127	66	7766
SUBTOTAL	558.3		1403.8	6164	413	3227	1528	0	997	316	12645	2776	22784	45494	4643	5759	4272	98372
SERIES 300																		
301 GENET BREED FORST TR	24	6.5	21.2	13	105	25	74	0	0	0	216	19	248	696	1	185	59	1405
302 IMP FOREST ENG SYS	20	9.9	17.9	11	67	116	105	0	0	57	357	104	176	785	0	54	120	1595
303 ECON TIMBER PRODUCTN	13	5.3	14.0	0	84	67	0	0	0	0	151	63	4	526	0	15	24	783
304 IMP BIO EFF FRT & VE	279	84.7	273.0	1416	0	261	252	0	0	0	1929	746	685	11800	424	984	896	17264
305 MECH PROD FRT & VEGS	19	6.4	15.7	62	0	6	0	0	0	85	134	0	17	721	88	149	48	1167
306 PROD MGMT SYS F & V	25	6.8	15.8	58	0	24	0	0	0	0	83	5	4	819	6	18	5	939
307 IMP BIO EFF FLD CRP	263	94.7	268.7	1572	0	220	516	0	0	49	2358	861	2397	10067	498	1175	724	18080
308 MECH PROD FLD CROP	16	4.0	8.2	70	0	51	0	0	0	0	121	30	45	450	2	41	27	716
309 PROD MGMT SYS FLD CR	68	14.4	30.9	199	0	109	0	0	0	0	308	6	1	1587	96	91	74	2163
310 ANIMAL REPRODUCTION	120	45.7	147.9	1174	0	124	437	0	111	0	1845	570	2000	4728	1351	345	229	11068
311 IMP BIO EFF ANML PR	212	88.6	285.6	2130	0	39	531	0	86	0	2786	272	1268	10570	1980	1198	188	18263
312 ENV STRESS IN ANML P	39	15.5	34.0	118	0	0	0	0	4	0	122	31	222	1669	76	110	62	2292
313 PROD MGMT SYS ANML P	45	13.1	24.8	153	0	0	0	0	17	0	170	30	21	1309	81	23	72	1706
314 BEES OTH POLLNTNG IN	15	5.4	10.3	66	0	0	0	0	0	0	66	80	0	666	1	37	5	834
315 IMP STRUC FARM SUPP	10	2.5	4.8	12	0	0	0	0	0	0	12	2	0	223	11	3	154	405
316 FARM BUSINESS MGMT	29	8.4	9.8	127	0	0	0	0	0	0	127	39	26	656	6	10	48	912
318 NON COM BIO TECH/BJM	425	171.0	512.4	1497	20	253	2867	0	7	250	4893	545	9649	18852	424	2171	843	37376
SUBTOTAL	583.0		1695.0	8679	276	1295	4782	0	224	421	15678	3382	16765	65923	5055	6588	3578	118968
SERIES 400																		
401 NEW IMP FOREST PROD	66	25.0	55.6	9	422	174	684	0	0	0	1288	206	62	2314	62	268	28	4229
402 PROD F & V IMP ACCEP	81	15.1	57.6	230	0	116	0	0	0	0	346	98	225	2565	99	279	149	3762
403 NEW & IMP F & V PROD	35	11.0	27.2	83	0	0	0	0	0	0	83	0	103	1454	6	336	72	2055
404 MKT QUAL FRTS & VEGS	52	16.7	45.0	238	0	72	0	0	0	0	310	3	39	2405	9	330	89	3186
405 PROD FLD CROP IMP AC	80	24.4	81.6	440	0	104	17	0	0	0	561	307	1155	1747	230	470	871	5341
406 NEW IMP FOOD FLD CRO	18	8.8	14.4	148	0	0	0	0	0	0	148	1	345	480	17	57	166	1195
407 NEW IMP NON FOOD FLD	14	4.5	14.5	35	0	241	0	0	0	0	276	0	104	549	11	19	33	991
408 MKT QUAL FLD CROPS	9	3.1	5.5	56	0	0	0	0	0	0	56	0	38	366	0	16	22	500
409 PROD ANML PR IMP ACC	14	4.3	11.7	144	0	0	0	0	0	0	144	0	209	521	43	234	38	1190
410 IMP MEAT MILK EGG PR	38	13.8	28.2	378	0	0	59	0	0	0	437	254	212	1014	23	378	153	2472
411 IMP NON FOOD ANML PR	5	1.9	3.5	29	26	0	0	0	0	0	55	0	0	187	0	37	0	280
412 MKT QUAL ANIMAL PROD	13	3.5	8.4	108	0	0	0	0	0	0	108	0	162	286	10	86	75	888
SUBTOTAL	133.1		353.2	1899	448	707	760	0	0	0	3814	871	2654	13850	511	2491	1698	25889
SERIES 500																		
501 IMP GRADES & STANDOS	7	0.6	1.1	7	0	0	0	0	0	0	7	0	0	80	1	3	3	73
502 MKTG TIMBER PRODUCTS	7	2.5	5.2	0	35	59	0	0	0	0	94	107	0	129	0	0	6	337
503 MKTG EFF AGRI PRODS	27	7.8	8.9	131	0	0	0	0	0	0	131	26	11	822	8	7	89	875
508 SPLY DEMAND AND PRIC	31	10.5	18.3	145	0	0	0	0	0	0	145	114	59	1194	6	88	25	1631
507 COMP REL IN AGRIC	8	1.7	0.9	30	0	0	0	0	0	0	30	0	0	131	1	5	0	167
508 DOMESTIC MKT DEVELP	13	2.5	2.2	23	0	0	0	0	0	0	23	0	0	170	0	16	18	229
509 PERFORMANCE MKTG SYS	27	8.5	9.2	114	0	0	0	0	0	0	114	18	23	820	6	16	21	1018
510 GROUP ACT MKT POWER	4	1.8	4.0	15	0	0	0	0	0	0	15	0	0	217	0	16	0	248
511 IMP AGRIC STATISTICS	7	3.2	3.5	14														

SAES REGION 4 WESTERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	---STAFF---	SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EYNS ALLN	ANML HLTH	DTH CSRS	TOTAL CSRS	USDA CGCA	DTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																			
701 TOX RES IN FOOD	39	15.3	34.6	132	0	191	0	0	6	101	430	9	861	1017	2	206	27	2552	
702 FOOD PROT FROM TOX	34	14.0	38.7	302	0	0	0	0	4	0	306	1	1306	1172	17	80	17	2899	
703 FOOD CONSUMP HABITS	31	9.5	13.8	243	0	28	0	0	0	0	271	36	36	840	17	72	46	1317	
704 HOME COMM FOOD SERV	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
705 SEL CARE CLOTH & TEX	21	3.9	11.7	46	0	0	0	0	0	0	46	15	10	477	1	6	1	555	
706 CONTR INSECTS AFF MA	33	16.8	43.2	126	29	0	0	0	0	0	155	8	327	2334	8	273	31	3137	
707 TRANS ANIML MAN DIS	10	1.7	4.7	17	0	0	0	0	3	0	20	0	56	193	0	13	0	283	
708 HUMAN NUTRITION	71	32.6	86.1	444	0	0	298	0	0	0	742	82	1168	2862	45	760	101	5760	
709 REDUCE HAZ HLTH & SF	15	2.4	3.3	41	0	0	0	0	0	0	41	0	128	181	8	0	2	359	
SUBTOTAL		96.3	236.1	1351	29	219	298	0	12	101	2010	151	3891	9077	97	1411	225	16863	
SERIES 800																			
801 RURAL HOUSING	4	0.6	0.3	5	0	0	0	0	0	0	5	0	0	32	0	0	0	37	
802 INDIV & FAM DEC MAKI	50	8.8	7.9	143	0	18	0	0	0	0	161	1	1	679	17	39	151	1049	
803 RURAL POVERTY	6	0.9	2.2	7	0	18	0	0	0	0	25	6	0	87	2	57	0	177	
804 ECON POTENT RURL PEO	20	3.2	4.1	34	31	0	0	0	0	0	85	6	5	305	4	7	11	404	
805 COMMUNICAT EDUC PROC	17	7.3	9.3	39	0	0	0	0	0	0	39	0	153	496	28	12	109	836	
806 ADJUSTMENT TO CHANGE	58	13.6	13.5	245	0	18	0	0	0	0	264	15	62	1075	4	74	61	1556	
807 AGRIC ECONOMIC CHANGE	24	7.8	11.9	120	0	1	0	0	0	0	121	45	98	744	1	48	31	1088	
808 GOVT PROGRAMS	7	1.6	1.9	32	0	0	0	0	0	0	32	15	14	122	0	2	2	187	
SUBTOTAL		43.7	51.1	626	31	56	0	0	0	0	713	88	334	3541	57	237	366	5334	
SERIES 900																			
901 ALLEY POLLUTION	112	45.5	139.0	555	11	157	0	0	0	0	724	222	1438	4670	201	855	212	8322	
902 OUTDOOR RECREATION	51	13.5	20.5	189	141	0	0	0	0	0	309	75	211	945	2	19	160	1720	
903 MULTI USE FOREST PDT	30	5.6	14.1	51	189	0	0	0	0	0	240	31	86	439	4	24	82	908	
904 WOLFE AND FISH ECOL	196	55.6	156.2	227	273	422	52	0	36	0	1011	478	1694	6580	54	398	960	11176	
905 TREES BEAUTIFICATION	25	4.7	9.8	82	0	2	38	0	0	0	122	42	16	490	5	56	23	755	
906 ORNAMENT & TURF DEV	103	31.6	78.5	563	0	16	0	0	0	0	579	38	130	3739	25	412	200	5123	
907 RURAL INCOME IMP	31	6.3	8.8	79	28	18	0	0	0	0	126	5	2	458	12	48	52	704	
908 RURAL INSTITUT IMP	37	9.0	10.3	96	13	18	0	0	0	0	127	4	84	693	9	42	98	1036	
SUBTOTAL		171.8	437.1	1623	855	634	91	0	36	0	3239	895	3642	18014	311	1855	1767	29743	
SCIENCE IN SERV OF MAN																			
GRAND TOTAL		2041.7	5096.8	25525	3961	7117	7746	0	1270	935	48554	11260	58559	196980	12386	21671	18927	366317	

NATIONAL TOTAL SAES

TABLE IV-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	---STAFF--- SUPPORT YRS SYS DTH	HATH /RRF	MCIN STEN	SP GT	COMP GT	EYNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	1064	337.4	1052.2	7069	406	683	0	0	0	8158	2606	6167	34425	2542	4237	5572	63708
0200 WATER	850	198.5	539.4	3382	216	143	0	0	0	3740	1362	3337	18781	1001	2337	5922	36480
0300 WATERSHEDS RIVER BAS	137	31.3	81.3	565	300	65	0	0	0	930	237	568	3171	83	399	644	6031
0400 AIR AND CLIMATE	113	35.1	89.0	749	14	1	0	0	0	764	113	1457	3092	153	119	306	6004
0500 RECREATION RESOURCES	94	30.0	49.2	359	255	0	0	0	0	613	215	285	2525	31	85	406	4171
0600 TIMBER FDRST PRODUCT	1029	390.2	1066.0	2633	9714	1845	1835	0	0	16026	6809	3337	35043	1485	5737	4385	72822
0700 RANGE	275	103.4	215.0	1903	184	378	0	0	0	2465	375	2412	8313	1410	303	536	15815
0800 WILDLIFE AND FISH	801	218.0	854.5	2102	943	1902	142	0	99	5188	801	7208	21733	1810	3088	6970	46798
0900 CITRUS SUB TROP FRUIT	287	110.0	344.6	1299	0	820	112	0	0	2331	918	539	14798	198	1264	397	20444
1000 FRUIT NUTS DECIDUOUS	968	316.9	1219.3	8094	24	1582	25	0	0	9724	1626	920	43310	2239	4212	3263	65295
1100 POTATOES	328	95.7	356.1	2424	0	1481	152	0	0	4057	859	739	9357	800	1294	866	18073
1200 VEGETABLES	1307	418.1	1543.3	8972	0	1802	555	0	0	12428	1018	3640	62076	2007	4250	3134	78554
1300 ORNAMENTALS TURF	552	207.0	656.0	4942	1	124	160	0	0	5226	246	328	24783	783	2863	1723	36053
1400 CORN	890	206.7	738.0	5612	2	458	430	0	0	6503	1186	2826	22202	1644	4436	2195	40992
1500 GRAIN SORGHUM	297	86.3	230.0	1053	0	40	37	0	0	1130	173	2011	6541	854	762	755	12225
1600 RICE	146	50.6	200.2	639	0	85	45	0	0	769	113	785	5572	478	1282	1519	10499
1700 WHEAT	678	186.2	602.5	3572	0	709	383	0	0	4664	951	2523	18686	2204	2525	2068	34622
1800 OTHER SMALL GRAINS	359	82.8	269.2	1833	0	107	313	0	0	2253	275	996	8927	674	1608	1042	15774
1900 PASTURE	121	26.9	103.9	977	13	65	0	0	0	1055	107	67	2899	304	88	202	4732
2000 FORAGE CROPS	806	212.4	757.6	6302	1	558	119	0	0	6981	1115	1388	24882	2113	1662	1025	39167
2100 COTTON	317	112.5	379.9	2388	0	217	83	0	0	2889	267	495	15842	1509	1501	774	19776
2200 COTTONSEED	7	0.9	2.9	17	0	0	0	0	0	17	11	19	94	5	48	5	199
2300 SOYBEANS	846	205.8	733.5	5293	0	728	568	0	0	8589	632	1369	23980	1789	3634	2383	40376
2400 PEANUTS	141	40.1	160.5	648	0	107	0	0	0	755	123	583	5281	293	449	637	8221
2500 OTHER OILSEED CRDPS	112	29.2	89.3	485	0	184	0	0	0	670	504	266	2643	235	648	422	5707
2600 TOBACCO	151	56.4	209.2	1015	0	39	0	0	0	1054	119	125	9864	292	230	590	12274
2700 SUGAR CROPS	130	37.9	188.3	1018	0	102	0	0	0	1120	31	59	4713	281	1019	135	7358
2800 MISC NEW CROPS	163	38.3	139.0	970	0	657	0	0	0	1627	267	1023	3727	137	880	398	8039
2900 POULTRY	641	231.4	926.0	6948	0	471	724	0	422	8565	406	919	31589	2436	2962	2313	48190
3000 BEEF CATTLE	1225	395.4	1721.8	10641	11	1262	1501	0	1230	14636	2696	3000	55906	18920	3975	1715	100848
3100 DAIRY CATTLE	1033	305.5	1473.2	10154	0	1151	801	0	889	12995	1204	3186	44021	10027	7969	3637	83040
3200 SWINE	610	163.1	736.8	6288	0	472	1193	0	346	8299	641	948	24036	5906	1778	2879	44488
3300 SHEEP AND WOOL	344	79.9	313.6	2303	0	212	423	0	226	3164	547	1081	10863	2307	426	461	18850
3400 OTHER ANIMALS	309	78.9	284.5	1732	0	136	237	0	381	2486	136	2896	10329	1600	1183	322	18952
3500 BEES AND HONEY	33	11.4	32.2	105	0	16	26	0	0	147	137	36	1310	208	58	27	1922
3600 FARM SUPP & FACILITS	80	25.6	59.9	548	4	61	0	0	0	614	108	197	2370	355	400	205	4248
3700 CLOTHING & TEXTILES	86	17.4	46.2	454	0	0	0	0	0	454	50	130	1850	92	18	50	2744
3800 FOOD	425	159.0	498.3	4086	0	493	395	0	0	4975	994	4957	14729	427	3844	1543	31478
3900 HOUSING & EQUIP	139	41.6	127.7	1072	88	29	0	0	0	1188	53	116	4558	234	329	404	6882
4000 PEOPLE AS INDIVIDUAL	518	148.7	503.5	2673	23	106	271	0	3	3076	180	3215	12789	1251	1511	1960	23981
4100 FAMILY MEMBERS	255	62.2	123.8	1238	0	18	37	0	0	1293	167	1148	4880	277	370	502	8636
4200 FARM AS BUSINESS	208	73.3	132.7	1607	3	55	0	0	0	1664	214	215	5873	229	176	302	6672
4300 SOC POLIT ORGANIZ	337	114.8	273.2	2953	11	304	0	0	0	3268	651	2834	8578	379	915	1300	17926
4400 AGRIC ECONOMY U S	138	51.6	124.8	1018	7	250	0	0	0	1275	425	219	5072	57	426	539	8013
4500 AGRIC ECONOMY FORGN	38	29.3	53.0	170	0	219	0	0	0	389	208	3642	1531	16	601	610	6996
4600 FARM COOPERATIVES	29	6.4	11.8	108	0	0	0	0	0	108	91	5	522	25	77	7	835
4700 OTH MARKET PROCESS	23	3.4	6.2	107	0	0	0	0	0	107	20	10	267	19	11	40	474
4800 MARKETING SYSTEMS	76	19.7	41.1	475	0	142	0	0	0	617	103	57	1713	50	22	178	2740
6100 WEEDS	133	30.8	108.2	785	2	111	162	0	0	1060	131	244	3793	161	713	427	6529
6200 SEED RESEARCH	55	22.7	92.6	164	0	0	0	0	0	164	83	407	1844	1203	179	781	4662
6300 BIO CELL SYSTEMS	270	102.4	445.3	1436	10	113	129	0	7	1695	130	9809	9375	815	1755	1022	24601
6400 EXP DESIGN/STAT METH	111	40.8	70.8	389	1	0	0	0	0	389	1036	834	3405	280	232	697	6874
6500 INVERTEBRATES	453	149.6	419.3	2317	192	91	1849	0	50	4498	582	3361	15072	256	1220	698	25887
6600 MICROORGANISMS VIRUS	485	146.2	535.8	2395	19	332	3047	0	32	5824	497	8001	14907	307	2603	1006	33145
6700 PLANTS	829	260.3	913.8	4263	14	1549	3087	0	0	8913	1895	7086	28155	1367	3932	3332	54680
6800 ANIMALS(VERTEBRATES)	374	128.5	415.7	2258	16	388	330	0	135	3127	264	8212	13945	985	1867	802	28203
6900 RESEARCH ON RSCH MGM	45	32.1	135.5	848	1	121	0	0	0	970	83	44	7741	179	217	183	8417
7000 RSCH EQUIP & TECHNOL	121	38.8	98.1	535	115	14	99	0	0	763	533	2557	3566	110	360	412	8302
TOTAL			23595.4	12588		19272		3818		206251		114956		77830		76729	
	6824.0		147384	23189			0		0	37329		769951		91180		1374226	

NATIONAL TOTAL SAES

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

	CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS SYS	OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																			
101	APPRAIS OF SOIL RESO	216	81.3	238.2	1499	45	45	0	0	0	0	1589	786	1124	8249	386	986	1898	14897
102	SOIL PLNT WTR NUTRI	780	259.4	889.3	5494	652	832	191	0	0	0	6970	2271	4489	27290	2619	3533	4079	51250
103	MGMT OF SALINE SOILS	71	18.8	74.6	372	1	3	31	0	0	0	408	13	230	2891	89	371	87	4048
104	ALTERN USE OF LAND	127	27.8	58.0	648	9	82	0	0	0	0	739	202	329	2505	70	58	889	4592
105	CONSERV USE OF WATER	312	94.5	273.1	1658	141	37	51	0	0	0	1888	819	1094	9866	894	1049	786	15974
106	DRAIN AND IRRIGATION	130	49.1	114.5	833	0	72	0	0	0	0	905	113	509	4342	179	269	3837	10153
107	WATERSHED PROT & MGM	156	51.8	122.8	820	294	114	0	0	0	0	1227	520	881	4694	275	639	529	8586
108	ECON LEG PROB OF WAT	70	21.8	34.7	456	3	0	0	0	0	0	459	157	261	1845	52	101	105	2980
109	WEATHER ADAPT & MOD	141	50.6	110.9	1035	14	51	0	0	0	0	1099	119	1921	3897	189	241	457	7922
110	APPRAIS FORST & RANG	105	35.7	71.5	286	642	30	0	0	0	0	958	198	1086	2348	182	216	479	5467
111	BIOL CULT MGMT FORST	274	95.7	284.3	302	2936	99	525	0	0	0	3863	2608	972	8519	344	1485	902	18894
112	IMPROV RANGE RESOR	187	58.0	137.9	1187	126	188	0	0	0	0	1501	315	727	5670	1137	183	211	9744
113	REMOTE SENSING	81	17.0	47.0	252	214	148	0	0	0	0	614	24	474	1614	51	80	198	3056
114	RSCH ON MGMT OF RSCH	45	32.1	136.5	848	1	121	0	0	0	0	970	83	44	7741	179	217	183	9417
	SUBTOTAL		893.6	2592.3	15689	5078	1623	799	0	0	0	23190	8227	13943	91258	8426	9408	14399	168881
SERIES 200																			
201	CNTRL FORST INSECTS	145	40.4	99.3	448	840	50	1036	0	0	0	2373	621	215	3347	86	282	288	7173
202	CONTROL FOREST DIS	108	30.2	77.1	534	646	6	157	0	0	0	1342	207	188	2730	53	415	248	5183
203	FOREST FIRE PROTECT	7	3.7	3.9	1	128	0	0	0	0	0	129	5	26	210	0	3	31	404
204	CNTR PESTS FRT & VEG	501	144.0	538.3	3548	0	1193	38	0	0	0	4778	761	874	17058	690	1807	1097	28865
205	CNTR DISE FRT & VEG	730	233.5	856.9	4370	23	1786	187	0	0	0	6366	1855	948	27815	1138	3289	2045	43434
206	CNTR WEEDS FRT & VEG	180	37.6	135.1	1091	0	96	42	0	0	0	1229	107	281	4531	188	528	188	7051
207	CNTR PESTS FLD CROPS	816	193.2	654.9	4580	0	1461	327	0	0	0	6348	723	1327	19281	1050	2394	1783	32887
208	CNTR DIS FIELD CROPS	718	220.8	756.9	5177	0	1078	227	0	0	0	6481	691	1480	24470	1122	3285	2818	40147
209	CNTR WEEDS FLD CROPS	336	117.6	388.5	2855	28	250	49	0	0	0	3181	527	440	12614	1218	2897	1522	22199
210	CNTR PESTS ANIMALS	155	42.9	128.8	902	6	202	7	0	272	0	1389	195	259	4510	399	421	303	7476
211	CNTR DIS ANIMALS	766	272.3	857.0	4840	0	2480	1102	0	2214	0	10435	933	4665	34503	3501	3380	1802	59318
212	CNTR INTR PARASITES	100	34.1	94.0	801	0	76	31	0	185	0	1094	81	333	3583	231	259	317	5679
213	PROT ANMLS FROM TOXIN	96	34.9	122.8	642	11	23	50	0	181	0	907	26	974	4013	437	589	174	7120
214	PROTECT FROM POLLUTI	192	49.7	207.1	1250	356	621	22	0	42	0	2291	2121	2114	5748	181	584	491	13532
	SUBTOTAL		1454.9	4920.7	30820	2035	9322	3275	0	2894	0	48345	8852	14125	164393	10392	18894	12866	278567
SERIES 300																			
301	GENET BREED FORST TR	95	37.4	106.4	263	923	25	305	0	0	0	1507	238	399	3435	121	1251	1122	8073
302	IMP FOREST ENG SYS	32	10.7	23.7	23	176	286	103	0	0	0	587	52	38	1079	111	164	32	2073
303	ECON TIMBER PRODUCTN	59	17.9	54.7	18	675	22	0	0	0	0	715	57	63	2142	76	152	203	3408
304	IMP BIO EFF FRT & VE	963	309.2	1273.4	7123	0	1255	755	0	0	0	9133	1281	1831	43448	2172	3312	2674	63853
305	MECH PROD FRT & VEGS	92	25.2	71.0	775	0	12	0	0	0	0	788	34	55	3239	161	345	108	4730
306	PROD MGMT SYS F & V	128	25.7	96.6	592	0	259	0	0	0	0	852	16	85	3555	254	493	161	5426
307	IMP BIO EFF FLD CRP	1271	517.3	1971.9	11109	0	829	1812	0	0	0	13551	2785	6499	63147	6041	7334	5682	106040
308	MECH PROD FIELD CRP	100	30.8	81.9	784	0	61	0	0	0	0	836	80	91	3262	177	342	289	5037
309	PROD MGMT SYS FLD CR	361	98.0	275.4	2195	0	229	5	0	0	0	2429	163	183	10415	1463	1142	730	18525
310	ANIMAL REPRDUCTION	531	185.3	854.2	6492	0	288	2248	0	308	0	9335	982	3905	27888	7384	1989	929	52411
311	IMP BIO EFF ANML PR	1102	432.4	2391.7	15790	0	379	1028	0	429	0	17677	2683	3327	70821	22844	8837	4955	129083
312	ENV STRESS IN ANML P	167	48.1	174.5	1445	0	24	45	0	40	0	1555	106	298	6045	1313	604	144	10085
313	PROD MGMT SYS ANML P	276	66.2	298.9	1975	0	45	0	0	8	0	2028	130	126	9935	2905	475	883	18462
314	BEES OTH POLLNTNG IN	33	11.4	32.2	105	0	16	26	0	0	0	147	137	36	1310	208	58	27	1922
315	IMP STRUC FARM SUPP	90	37.6	107.3	848	0	51	0	0	0	0	899	91	137	3759	487	305	279	5966
316	FARM BUSINESS MGMT	155	51.7	97.5	1086	0	54	0	0	0	0	1140	140	146	4139	201	85	205	8056
317	MECH/STRUCTS ANML PR	30	6.3	18.9	140	0	0	0	0	0	0	140	0	0	929	58	46	57	1231
318	NON COM BIO TECH/BIM	1362	518.5	1847.4	7416	82	328	8939	0	7	0	14772	1341	30574	52199	3242	7851	4186	114166
	SUBTOTAL		2429.8	9777.4	58170	1855	3954	13267	0	790	0	78037	10286	47795	310786	49217	32787	22638	551525
SERIES 400																			
401	NEW IMP FOREST PROD	157	87.2	201.8	195	1310	1349	217	0	0	0	3071	573	577	8419	277	987	587	12489
402	PROD F & V IMP ACCBP	274	47.3	187.8	1012	0	263	8	0	0	0	1275	151	286	7036	255	899	359	10062
403	NEW & IMP F & V PROD	182	58.3	199.1	1180	0	115	0	0	0	0	1275	129	213	6532	251	882	848	10129
404	MKT QUAL FRTS & VEGS	175	55.5	185.7	1374	0	298	0	0	0	0	1672	47	311	7075	121	795	315	10336
405	PROD FLD CROP IMP AC	266	85.7	342.6	1776	0	124	17	0	0	0	1917	649	1685	9736	1041	1776	1688	18493
406	NEW IMP FOOD FLD CRO	145	44.9	148.3	975	0	3	0	0	0	0	978	72	1137	4485	186	949	714	8501
407	NEW IMP NON FOOD FCP	77	23.6	106.0	479	0	307	8	0	0	0	794	86	378	2738	300	983	110	5389
408	MKT QUAL FIELD CROPS	86	25.0	82.0	584	0	3	0	0	0	0	587	88	357	2506	39	357	163	4098
409	PROD ANML PR IMP ACC	136	39.2	189.6	1558	0	284	114	0	0	0	1957	121	264	6075	1155	1083	305	10980
410	IMP MEAT MILK EGG PR	232	89.2	324.3	2286	0	4	84	0	0	0	2335	316	804	8226	1230	1789	1575	18274
411	IMP NON FOOD ANML PR	14	3.4	11.3	104	0	0	0	0	0	0	104	0	13	442	1	134	20	715
412	MKT QUAL ANIMAL PROD	77	18.7	82.6	575	0	0	0	0	0	0	575	1	117	2051	71	604	259	3877
	SUBTOTAL		556.1	1971.2	12058	1310	2750	421	0	0	0	18539	2235	6143	83399	4927	11140	8741	111124
SERIES 500																			
501	IMP GRADES & STANOS	43	9.0	33.1	261	0	85	0	0	0	0	347	104	12	876	57	154	81	

NATIONAL TOTAL SAES

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	---STAFF---		HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FEO	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
		SUPPORT SYS	OTHER															
SERIES 700																		
701 TOX RES IN FOOD	136	43.6	114.9	1256	0	1296	0	0	12	0	2563	199	1049	3101	219	288	519	7938
702 FOOD PROT FROM TOX	168	52.2	186.1	1628	0	23	22	0	41	0	1714	178	2612	5746	158	1213	467	12086
703 FOOD CONSUMP HABITS	112	29.9	82.4	746	0	89	0	0	0	0	835	400	380	2855	104	463	230	4967
704 HOME COMM FOOD SERV	30	8.5	13.6	292	0	0	39	0	0	0	330	0	18	608	30	110	62	1186
705 SEL CARE CLOTH & TEX	72	12.5	36.8	296	0	0	0	0	0	0	298	29	57	1538	74	18	43	2053
706 CONTR INSECTS AFF MA	117	39.4	104.1	768	38	27	7	0	0	0	840	28	471	4236	89	571	402	8618
707 TRANS ANIML MAN DIS	27	9.4	59.5	55	0	0	0	0	3	0	58	54	242	554	88	265	413	1673
708 HUMAN NUTRITION	357	130.9	490.8	2876	0	58	1192	0	0	0	3927	561	6204	11884	1009	2299	1567	27171
709 REDUCE HAZ HLTH & SF	63	12.3	30.9	344	0	6	0	0	0	0	360	20	386	1219	50	134	116	2286
SUBTOTAL		338.8	1129.1	8059	38	1500	1260	0	56	0	10912	1470	11425	31141	1799	5360	3840	65948
SERIES 800																		
801 RURAL HOUSING	43	10.1	28.0	221	0	0	0	0	0	0	221	6	29	922	43	47	123	1391
802 INDIV & FAM DEC MAKI	188	47.9	80.1	707	0	18	0	0	0	0	726	3	377	3755	266	232	288	5658
803 RURAL POVERTY	23	4.6	24.3	70	0	18	0	0	0	0	89	31	12	349	82	61	118	741
804 ECON POTENT RURL PED	81	18.0	26.1	499	7	15	0	0	0	0	521	6	5	1290	38	9	119	1988
805 COMMUNICAT EDUC PROC	108	33.7	98.3	390	14	0	0	0	0	0	404	111	376	3438	191	106	407	5030
806 ADJUSTMENT TO CHANGE	183	47.1	130.8	1098	0	18	0	0	0	0	1116	94	821	3887	190	498	302	8708
807 AGRIC ECONOMIC CHANG	162	55.9	119.9	1257	7	107	0	0	0	0	1371	232	183	4423	124	563	625	7522
808 GOVT PROGRAMS	51	16.4	38.9	356	5	102	0	0	0	0	484	71	118	1622	12	37	331	2564
SUBTOTAL		233.7	646.5	4599	33	278	0	0	0	0	4911	555	1921	19383	946	1554	2324	31592
SERIES 900																		
901 ALLEV POLLUTION	416	141.5	427.5	3086	211	564	0	0	0	0	3851	988	2629	14499	822	2681	1432	26901
902 OUTDOOR RECREATION	96	30.1	52.3	364	249	0	0	0	0	0	613	260	314	2643	32	90	360	4233
903 MULTI USE FOREST POT	72	16.1	50.5	111	472	0	0	0	0	0	583	68	385	1302	38	77	273	2726
904 WOLFE AND FISH ECOL	510	186.6	745.0	1600	829	1551	92	0	77	0	4150	763	6017	18760	1590	2760	6095	40124
905 TREES BEAUTIFICATION	94	24.0	54.8	389	82	4	160	0	0	0	634	91	48	2285	94	130	132	3414
906 ORNAMENT & TURF DEV	510	187.4	696.9	4425	1	121	0	0	0	0	4647	153	262	22669	735	2722	1646	32737
907 RURAL INCOME IMP	108	31.9	62.7	1034	9	72	0	0	0	0	1114	94	65	2536	55	136	336	4335
908 RURAL INSTITUT IMP	146	37.4	81.3	1200	0	214	0	0	0	0	1414	335	131	3040	83	166	199	5367
SUBTOTAL		655.1	2071.0	12209	1852	2516	251	0	77	0	16906	2742	9850	67635	3449	8763	10494	119838
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		8824.0	23595.4	147384	12588	23189	19272	0	3818	0	206251	37329	114956	769951	77830	81180	76729	1374226

NATIONAL TOTAL FORESTRY SCHOOLS

TABLE IV-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	48	10.2	27.0	0	171	0	15	0	0	0	186	113	238	933	0	138	113	1721
0200 WATER	25	7.1	22.4	0	40	0	0	0	0	0	40	16	366	1030	3	39	15	1511
0300 WATERSHEDS RIVER BAS	26	5.3	23.8	0	57	0	0	0	0	0	57	43	294	752	16	16	16	1193
0400 AIR AND CLIMATE	11	3.7	16.6	0	21	0	0	0	0	0	21	80	130	618	0	11	234	1074
0500 RECREATION RESOURCES	34	6.4	13.7	0	154	0	0	0	0	0	154	86	158	403	16	1	76	874
0600 TIMBER FORST PRODUCT	415	188.6	455.3	0	2474	551	514	0	0	0	3540	2405	2615	15708	543	2853	2503	30187
0700 RANGE	12	5.1	5.8	0	39	4	0	0	0	0	43	10	0	414	10	2	28	507
0800 WILDLIFE AND FISH	86	15.4	44.0	0	272	0	0	0	0	0	272	235	682	936	16	62	320	2501
1000 FRUIT NUTS DECIDUOUS	2	0.3	0.5	0	3	0	0	0	0	0	3	0	0	5	0	0	10	18
1300 ORNAMENTALS TURF	1	0.2	0.0	0	0	0	0	0	0	0	0	0	0	15	0	0	5	20
2000 FORAGE CRDPS	1	0.0	0.0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
2800 MISC NEW CROPS	1	0.4	0.2	0	0	0	0	0	0	0	0	0	0	4	0	0	12	16
4000 PEOPLE AS INDIVIDUAL	5	0.7	1.6	0	45	0	0	0	0	0	45	5	0	46	0	0	44	140
4300 SOC POLIT ORGANIZ	5	1.8	3.4	0	110	0	0	0	0	0	110	0	48	102	0	0	0	260
6100 WEEDS	1	0.2	1.3	0	0	0	55	0	0	0	55	0	0	0	0	0	0	55
6300 BIO CELL SYSTEMS	3	1.7	2.1	0	0	0	0	0	0	0	0	0	75	77	0	31	13	196
6400 EXP DESIGN/STAT METH	2	0.3	2.5	0	28	0	0	0	0	0	28	3	7	28	0	15	45	128
6500 INVERTEBRATES	3	0.4	1.0	0	8	0	0	0	0	0	9	0	29	47	0	0	0	84
6600 MICROORGANISMS VIRUS	13	1.8	4.9	0	12	0	0	0	0	0	12	39	86	170	0	15	52	355
6700 PLANTS	8	3.3	7.4	0	0	0	74	0	0	0	74	0	107	93	0	102	24	400
6800 ANIMALS(VERTEBRATES)	2	1.0	1.4	0	0	0	0	0	0	0	0	0	86	37	0	5	0	129
6900 RESEARCH ON RSCH MGM	2	1.4	1.5	0	140	0	0	0	0	0	140	0	0	23	0	0	18	181
7000 RSCH EQUIP & TECHNDL	14	3.5	11.2	0	21	0	0	0	0	0	21	26	122	213	0	60	170	611
TOTAL		258.8	647.6	0	3597	555	659	0	0	0	4811	3024	5004	21855	604	3349	3698	42145

NATIONAL TOTAL FORESTRY SCHOOLS

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	13	2.1	3.5	0	56	0	0	0	0	0	56	40	35	74	0	0	76	280
102 SOIL PLNT WTR NUTRI	39	8.2	26.8	0	129	0	15	0	0	0	144	150	787	633	0	205	88	2008
103 MGMT OF SALINE SOILS	1	0.3	0.8	0	18	0	0	0	0	0	18	0	0	28	0	0	0	47
104 ALTERN USE OF LAND	5	0.1	0.4	0	8	0	0	0	0	0	8	0	1	9	0	0	1	19
105 CONSERV USE OF WATER	2	0.2	0.4	0	1	0	0	0	0	0	1	0	0	26	0	0	0	27
107 WATERSHED PROT & MGM	19	4.9	12.1	0	105	0	0	0	0	0	105	82	147	315	3	15	6	673
108 ECON LEG PROBB OF WAT	2	0.1	2.5	0	0	0	0	0	0	0	0	0	152	3	0	0	0	155
109 WEATHER ADAPT & MOD	9	2.7	3.8	0	58	0	0	0	0	0	58	0	198	32	0	0	22	308
110 APPRAIS FORST & RANG	37	16.6	21.8	0	212	0	0	0	0	0	212	73	242	466	0	166	144	1302
111 BIOL CULT MGMT FORST	123	67.9	147.8	0	575	0	93	0	0	0	668	880	752	4985	524	776	1108	9703
112 IMPROV RANGE RESOR	9	4.8	4.4	0	39	3	0	0	0	0	42	4	0	405	10	2	9	472
113 REMOTE SENSING	14	6.8	11.6	0	73	0	0	0	0	0	73	82	216	153	0	55	0	579
114 RSCH ON MGMT OF RSCH	2	1.4	1.5	0	140	0	0	0	0	0	140	0	0	23	0	0	18	181
SUBTOTAL		117.1	237.5	0	1412	3	108	0	0	0	1523	1310	2528	7161	538	1219	1474	15754
SERIES 200																		
201 CNTRL FORST INSECTS	25	4.1	12.0	0	105	0	73	0	0	0	178	79	134	412	0	17	35	854
202 CONTROL FOREST DIS	33	7.0	17.3	0	190	0	45	0	0	0	236	104	0	599	0	2	65	1006
203 FOREST FIRE PROTECT	8	1.7	2.3	0	10	0	0	0	0	0	10	63	63	34	0	0	9	179
209 CNTR WEEDS FLD CROPS	3	0.3	1.5	0	0	1	55	0	0	0	56	0	0	9	0	0	0	65
214 PROTECT FROM POLLUTI	18	6.4	22.6	0	67	0	0	0	0	0	67	415	284	442	0	209	249	1686
SUBTOTAL		18.4	55.8	0	373	1	174	0	0	0	548	661	480	1495	0	228	358	3770
SERIES 300																		
301 GENET BREED FORST TR	28	12.5	57.6	0	332	0	0	0	0	0	332	141	236	2148	0	237	148	3242
302 IMP FOREST ENG SYS	17	7.1	19.2	0	81	116	0	0	0	0	197	75	170	688	0	30	169	1328
303 ECON TIMBER PRODUCTN	16	5.6	12.4	0	79	67	0	0	0	0	146	63	15	546	3	0	2	775
304 IMP BIO EFF FRT & VE	1	0.2	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
307 IMP BIO EFF FLD CRP	1	0.4	0.2	0	0	0	0	0	0	0	0	0	0	4	0	0	12	16
318 NON COM BIO TECH/BIM	14	6.7	15.9	0	49	0	83	0	0	0	142	7	244	305	0	90	175	964
SUBTOTAL		32.6	105.8	0	541	183	93	0	0	0	818	286	665	3691	3	357	517	6335
SERIES 400																		
401 NEW IMP FOREST PROD	78	41.3	95.7	0	394	239	231	0	0	0	864	232	92	3990	0	1093	488	6760
411 IMP NON FOOD ANML PR	1	0.5	0.2	0	26	0	0	0	0	0	26	0	0	0	0	0	0	26
SUBTOTAL		41.8	95.9	0	421	239	231	0	0	0	890	232	92	3990	0	1093	488	6786
SERIES 500																		
502 MKTG TIMBER PRODUCTS	8	3.7	7.4	0	106	59	0	0	0	0	166	107	0	163	0	0	6	442
512 IMP GRADES FRST PROD	3	0.3	1.6	0	5	0	53	0	0	0	58	0	3	43	0	0	0	104
513 PRICE ANAL FRST PROD	5	1.0	0.6	0	47	0	0	0	0	0	47	9	0	0	0	0	11	67
SUBTOTAL		5.0	9.6	0	158	59	53	0	0	0	270	115	3	206	0	0	18	613
SERIES 600																		
601 FGN MKT DEVELP	3	1.2	7.7	0	0	69	0	0	0	0	69	7	11	590	0	125	13	815
603 TECH AID DEV CRTY	2	0.3	0.7	0	0	0	0	0	0	0	0	0	24	29	0	0	31	84
SUBTOTAL		1.4	8.4	0	0	69	0	0	0	0	69	7	35	619	0	125	44	899
SERIES 700																		
702 FOOD PROT FROM TOX	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
707 TRANS ANIML MAN DIS	1	0.0	0.5	0	0	0	0	0	0	0	0	0	0	10	0	0	15	25
708 HUMAN NUTRITION	1	0.0	0.0	0	3	0	0	0	0	0	3	1	0	0	0	0	1	5
SUBTOTAL		0.1	0.5	0	3	0	0	0	0	0	3	1	0	11	0	0	16	32
SERIES 800																		
804 ECON POTENT RURL PED	1	0.4	0.7	0	24	0	0	0	0	0	24	0	0	31	0	0	0	55
805 COMMUNICAT EDUC PROC	3	1.1	2.2	0	89	0	0	0	0	0	89	5	24	53	0	0	29	200
806 ADJUSTMENT TO CHANGE	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
SUBTOTAL		1.5	2.9	0	114	0	0	0	0	0	114	5	24	86	0	0	29	257
SERIES 900																		
901 ALLEY POLLUTION	28	14.6	63.3	0	18	0	0	0	0	0	18	85	424	2807	0	264	274	3852
902 OUTDOOR RECREATION	28	6.2	12.1	0	137	0	0	0	0	0	137	89	155	380	0	1	81	823
903 MULTI USE FOREST POT	20	2.9	11.0	0	132	0	0	0	0	0	132	14	47	187	63	0	14	457
904 WLDLFE AND FISH ECOL	81	14.7	43.4	0	248	0	0	0	0	0	248	228	549	945	0	62	381	2412
905 TREES BEAUTIFICATION	4	0.5	0.6	0	0	0	0	0	0	0	0	30	0	32	0	0	0	63
906 ORNAMENT & TURF DEV	1	0.2	0.0	0	0	0	0	0	0	0	0	0	0	15	0	0	5	20
907 RURAL INCOME IMP	2	0.6	0.6	0	28	0	0	0	0	0	28	0	0	29	0	0	0	57
908 RURAL INSTITUT IMP	1	0.1	0.2	0	13	0	0	0	0	0	13	0	0	2	0	0	0	15
SUBTOTAL		39.8	131.2	0	575	0	0	0	0	0	575	407	1176	4396	63	327	755	7699
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		258.8	647.6	0	3697	555	659	0	0	0	4811	3024	5004	21655	604	3349	3698	42145

NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

TABLE IV-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PRDD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	9	3.9	8.7	0	0	0	0	489	0	0	489	0	0	8	1	0	0	475
0200 WATER	2	0.6	5.4	0	0	0	0	197	0	0	197	0	0	0	0	0	0	198
0300 WATERSHEDS RIVER BAS	2	2.0	2.5	0	0	0	0	160	0	0	160	0	0	0	0	0	0	180
0400 AIR AND CLIMATE	2	0.6	1.8	0	0	0	0	106	0	0	106	0	0	0	0	0	0	106
0600 TIMBER FORST PRODUCT	3	1.1	2.9	0	0	0	0	239	0	0	239	0	0	21	0	0	0	260
0700 RANGE	1	0.6	1.5	0	0	0	0	122	0	0	122	0	0	0	0	0	0	122
0800 WILDLIFE AND FISH	15	11.2	18.1	0	0	0	0	1425	0	0	1425	0	87	30	0	2	13	1558
0900 CITRUS SUB TROP FRUT	2	0.7	1.5	0	0	0	0	88	0	0	88	0	0	0	0	0	0	88
1000 FRUIT NUTS DECIDUOUS	5	2.1	5.3	0	0	0	0	273	0	0	273	0	0	5	0	0	0	278
1100 POTATOES	1	0.3	1.0	0	0	0	0	48	0	0	48	0	0	0	0	0	0	49
1200 VEGETABLES	30	27.0	62.2	0	0	0	0	3150	0	0	3150	0	0	22	1	0	0	3173
1300 ORNAMENTALS TURF	2	1.9	3.2	0	0	0	0	176	0	0	176	0	0	0	0	0	0	176
1400 CORN	3	0.8	2.6	0	0	0	0	312	0	0	312	0	0	0	1	0	0	313
1500 GRAIN SORGHUM	3	0.7	0.9	0	0	0	0	46	0	0	46	23	0	2	0	0	0	71
1700 WHEAT	4	0.7	1.4	0	0	0	0	104	0	0	104	0	0	1	0	0	0	105
1800 OTHER SMALL GRAINS	2	0.4	0.7	0	0	0	0	87	0	0	87	0	0	12	0	0	0	99
1900 PASTURE	1	0.4	2.6	0	0	0	0	68	0	0	68	0	0	0	0	0	0	68
2000 FORAGE CROPS	11	3.5	9.4	0	0	0	0	462	0	0	462	23	0	33	1	0	0	519
2300 SOYBEANS	21	16.4	36.0	0	0	0	0	1855	0	0	1855	0	0	136	2	0	0	1993
2400 PEANUTS	3	2.5	2.7	0	0	0	0	103	0	0	103	0	219	0	0	0	0	322
2500 OTHER OILSEED CROPS	2	1.0	2.5	0	0	0	0	102	0	0	102	0	0	1	0	0	0	103
2700 SUGAR CROPS	1	0.1	0.1	0	0	0	0	16	0	0	16	0	0	3	0	0	0	19
2800 MISC NEW CROPS	2	0.9	2.3	0	0	0	0	76	0	0	76	0	0	0	0	0	0	76
2900 POULTRY	9	4.1	17.1	0	0	0	0	768	0	0	768	13	0	78	1	0	0	880
3000 BEEF CATTLE	10	3.1	19.9	0	0	0	0	791	0	0	791	0	0	12	54	0	0	857
3100 DAIRY CATTLE	7	2.6	10.1	0	0	0	0	724	0	0	724	0	0	7	0	0	0	731
3200 SWINE	7	5.4	21.2	0	0	0	0	875	0	0	875	0	0	2	88	0	0	963
3300 SHEEP AND WOOL	1	0.6	2.5	0	0	0	0	122	0	0	122	0	0	0	8	0	0	131
3400 OTHER ANIMALS	14	19.5	46.1	0	0	127	0	2374	0	0	2501	0	0	8	0	0	0	2510
3700 CLOTHING & TEXTILES	12	3.6	6.4	0	0	0	0	376	0	0	376	0	0	0	0	0	0	376
3800 FOOD	15	6.9	14.7	0	0	0	0	722	0	0	722	0	0	0	0	0	0	722
3900 HOUSING & EQUIP	8	2.0	5.4	0	0	0	0	248	0	0	248	0	0	0	0	0	0	248
4000 PEOPLE AS INDIVIDUAL	30	16.5	40.6	0	0	0	0	1936	0	0	1936	0	0	5	4	0	0	1945
4100 FAMILY MEMBERS	14	6.7	14.8	0	0	0	0	710	0	0	710	0	0	0	0	0	0	710
4200 FARM AS BUSINESS	7	2.8	8.7	0	0	0	0	367	0	0	367	0	0	5	1	0	0	372
4300 SOC POLIT ORGANIZ	18	8.5	23.8	0	0	0	0	1070	0	0	1070	0	0	11	0	0	0	1081
4400 AGRIC ECONOMY U S	2	0.0	0.2	0	0	0	0	21	0	0	21	0	0	2	0	0	0	23
4700 OTH MARKET PROCESS	2	0.1	1.3	0	0	0	0	74	0	0	74	0	0	0	0	0	0	74
4800 MARKETING SYSTEMS	5	1.6	6.1	0	0	0	0	293	0	0	293	0	0	0	1	0	0	294
5100 WEEDS	1	0.1	0.6	0	0	0	0	35	0	0	35	0	0	0	0	0	0	35
5300 BID CELL SYSTEMS	2	0.8	2.3	0	0	0	0	146	0	0	146	0	0	4	0	0	0	149
5400 EXP DESIGN/STAT METH	1	0.3	0.3	0	0	0	0	55	0	0	55	0	0	0	0	0	0	55
5500 INVERTEBRATES	2	1.1	0.7	0	0	0	0	83	0	0	83	0	0	0	0	0	0	83
5700 PLANTS	1	0.1	0.4	0	0	0	0	18	0	0	18	0	0	0	0	0	0	18
5800 ANIMALS(VERTEBRATES)	5	3.0	6.4	0	0	0	0	351	0	0	351	0	0	0	1	0	0	352
7000 RSCH EQUIP & TECHNOL	1	0.4	1.3	0	0	0	0	50	0	0	50	0	0	0	0	0	0	60
TOTAL		169.0	426.3	0	0	127	0	21906	0	0	22033	58	307	406	163	2	13	22982

NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
102 SOIL PLNT WTR NUTRI	11	6.1	15.9	0	0	0	0	830	0	0	830	0	0	0	2	0	0	832
104 ALTERN USE OF LAND	2	0.3	1.1	0	0	0	0	40	0	0	40	0	0	0	0	0	0	40
105 CONSERV USE OF WATER	3	3.5	3.2	0	0	0	0	284	0	0	284	0	0	0	0	0	0	284
109 WEATHER ADAPT & MOD	1	0.2	0.4	0	0	0	0	22	0	0	22	0	0	0	0	0	0	22
110 APPRAIS FORST & RANG	1	0.4	1.1	0	0	0	0	91	0	0	91	0	0	0	0	0	0	91
111 BIOL CULT MGMT FORST	1	0.5	0.9	0	0	0	0	58	0	0	58	0	0	6	0	0	0	64
112 IMPROV RANGE RESOR	1	0.1	0.4	0	0	0	0	30	0	0	30	0	0	0	0	0	0	30
113 REMOTE SENSING	1	0.9	0.3	0	0	0	0	73	0	0	73	0	0	6	0	0	0	78
SUBTOTAL		12.1	23.4	0	0	0	0	1428	0	0	1428	0	0	12	2	0	0	1441
SERIES 200																		
204 CNTR PESTS FRT & VEG	2	1.2	1.9	0	0	0	0	123	0	0	123	0	0	0	0	0	0	123
205 CNTR DISE FRT & VEG	4	0.6	0.8	0	0	0	0	56	0	0	56	0	0	0	0	0	0	56
206 CNTR WEEDS FRT & VEG	3	0.4	1.9	0	0	0	0	87	0	0	87	0	0	0	0	0	0	87
207 CNTR PESTS FLD CROPS	6	6.3	15.8	0	0	0	0	607	0	0	607	0	0	20	1	0	0	628
208 CNTR DIS FIELD CROPS	1	0.9	0.0	0	0	0	0	69	0	0	69	0	0	6	0	0	0	75
211 CNTR DIS ANIMALS	3	1.5	10.0	0	0	0	0	389	0	0	389	0	0	0	7	0	0	396
213 PROT ANMLS FROM TOXI	2	0.3	0.7	0	0	0	0	35	0	0	35	0	0	0	1	0	0	35
214 PROTECT FROM POLLUTI	1	0.7	2.2	0	0	0	0	104	0	0	104	0	0	0	0	0	0	104
SUBTOTAL		12.0	33.4	0	0	0	0	1470	0	0	1470	0	0	26	8	0	0	1505
SERIES 300																		
301 GENET BREED FORST TR	1	0.4	1.0	0	0	0	0	125	0	0	125	0	0	0	0	0	0	125
304 IMP BID EFF FRT & VE	24	18.8	46.8	0	0	0	0	2210	0	0	2210	0	0	20	0	0	0	2230
306 PROD MGMT SYS F & V	2	0.8	3.4	0	0	0	0	112	0	0	112	0	0	0	0	0	0	112
307 IMP BID EFF FLD CRP	21	10.8	28.1	0	0	0	0	1539	0	0	1539	0	0	154	2	0	0	1695
308 PROD MGMT SYS FLD CR	3	1.9	5.2	0	0	0	0	177	0	0	177	46	0	2	0	0	0	224
310 ANIMAL REPRODUCTION	12	8.2	24.4	0	0	67	0	1067	0	0	1134	0	0	0	113	0	0	1247
311 IMP BID EFF ANML PR	25	17.0	64.6	0	0	50	0	3214	0	0	3265	8	0	66	30	0	0	3368
312 ENV STRESS IN ANML P	4	1.8	4.5	0	0	0	0	234	0	0	234	0	0	0	0	0	0	234
313 PROD MGMT SYS ANML P	1	0.0	0.2	0	0	0	0	8	0	0	8	5	0	31	0	0	0	44
316 FARM BUSINESS MGMT	6	2.3	7.6	0	0	0	0	296	0	0	296	0	0	0	0	0	0	297
318 NON COM BID TECH/BIM	2	0.8	2.3	0	0	0	0	146	0	0	146	0	0	4	0	0	0	149
SUBTOTAL		83.7	187.3	0	0	118	0	9127	0	0	9245	58	0	276	145	0	0	9725
SERIES 400																		
402 PROD F & V IMP ACCEP	3	2.4	2.3	0	0	0	0	251	0	0	251	0	0	0	0	0	0	251
403 NEW & IMP F & V PROD	4	1.1	2.7	0	0	0	0	147	0	0	147	0	0	7	0	0	0	155
404 MKT QUAL FRTS & VEGS	1	0.8	1.4	0	0	0	0	79	0	0	79	0	0	0	0	0	0	79
406 NEW IMP FOOD FLD CRO	4	1.5	3.1	0	0	0	0	160	0	0	160	0	19	6	0	0	0	184
407 NEW IMP NON FOOD FC	1	0.0	0.1	0	0	0	0	6	0	0	6	0	0	0	0	0	0	6
408 MKT QUAL FIELD CROPS	3	0.5	0.5	0	0	0	0	213	0	0	213	0	10	0	0	0	0	222
409 PROD ANML PR IMP ACC	3	0.9	1.5	0	0	4	0	51	0	0	55	0	0	0	0	0	0	55
410 IMP MEAT MILK EGG PR	4	2.4	4.1	0	0	3	0	255	0	0	258	0	0	0	0	0	0	258
411 IMP NON FOOD ANML PR	2	0.5	0.8	0	0	3	0	16	0	0	19	0	0	0	0	0	0	19
SUBTOTAL		10.1	16.7	0	0	9	0	1177	0	0	1186	0	28	13	1	0	0	1228
SERIES 500																		
506 SPLY DEMAND AND PRIC	4	1.0	2.8	0	0	0	0	123	0	0	123	0	0	0	0	0	0	123
507 COMP REL IN AGRIC	1	0.3	0.5	0	0	0	0	33	0	0	33	0	0	0	0	0	0	33
508 DOMESTIC MKT DEVELP.	4	1.0	3.0	0	0	0	0	170	0	0	170	0	0	0	0	0	0	170
509 PERFORMANCE MKTG SYS	5	1.8	5.9	0	0	0	0	275	0	0	275	0	0	0	1	0	0	276
511 IMP AGRIC STATISTICS	1	0.3	0.3	0	0	0	0	55	0	0	55	0	0	0	0	0	0	55
SUBTOTAL		4.4	12.7	0	0	0	0	656	0	0	656	0	0	0	1	0	0	657
SERIES 600																		
603 TECH AID DEV CRTY	2	1.2	0.5	0	0	0	0	0	0	0	0	0	183	0	0	0	0	183
SUBTOTAL		1.2	0.5	0	0	0	0	0	0	0	0	0	183	0	0	0	0	183
SERIES 700																		
702 FOOD PROT FROM TOX	4	0.9	3.2	0	0	0	0	175	0	0	175	0	9	4	1	0	0	189
703 FOOD CONSUMP HABITS	17	5.4	12.1	0	0	0	0	732	0	0	732	0	19	0	0	0	0	751
704 HOME COMM FOOD SERV	1	0.2	0.8	0	0	0	0	59	0	0	59	0	0	0	0	0	0	59
705 SEL CARE CLOTH & TEX	11	3.6	6.3	0	0	0	0	370	0	0	370	0	0	0	0	0	0	370
707 TRANS ANML MAN DIS	1	0.3	1.8	0	0	0	0	48	0	0	48	0	0	0	0	0	0	48
708 HUMAN NUTRITION	18	8.9	21.4	0	0	0	0	1039	0	0	1039	0	0	7	2	0	0	1048
SUBTOTAL		19.4	45.6	0	0	0	0	2425	0	0	2425	0	28	11	3	0	0	2466

NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EYNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 800																		
801 RURAL HOUSING	13	3.2	7.9	0	0	0	0	393	0	0	393	0	0	0	0	0	0	393
802 INDIV & FAM DEC MAKI	14	5.7	6.1	0	0	0	0	523	0	0	523	0	0	0	2	0	0	525
803 RURAL POVERTY	3	0.5	0.8	0	0	0	0	67	0	0	67	0	0	0	0	0	0	67
804 ECON POTENT RURL PED	13	6.3	22.2	0	0	0	0	775	0	0	775	0	0	5	2	0	0	782
805 COMMUNICAT EDUC PROC	8	4.4	11.7	0	0	0	0	530	0	0	530	0	0	5	0	0	0	535
806 ADJUSTMENT TO CHANGE	10	4.8	11.8	0	0	0	0	594	0	0	594	0	0	0	0	0	0	594
807 AGRIC ECONOMIC CHANG	5	1.7	4.8	0	0	0	0	291	0	0	291	0	0	12	0	0	0	304
SUBTOTAL		26.7	67.5	0	0	0	0	3173	0	0	3173	0	0	22	4	0	0	3200
SERIES 900																		
901 ALLEV POLLUTION	4	1.2	8.6	0	0	0	0	337	0	0	337	0	0	0	0	0	0	337
904 WLDLFE AND FISH ECOL	16	12.2	18.6	0	0	0	0	1481	0	0	1481	0	87	30	0	2	13	1613
905 TREES BEAUTIFICATION	1	0.2	1.0	0	0	0	0	56	0	0	56	0	0	15	0	0	0	71
906 ORNAMENT & TURF DEV	2	1.8	3.2	0	0	0	0	176	0	0	176	0	0	0	0	0	0	176
908 RURAL INSTITUT IMP	6	3.9	7.9	0	0	0	0	399	0	0	399	0	0	2	0	0	0	401
SUBTOTAL		19.4	39.3	0	0	0	0	2449	0	0	2449	0	87	45	0	2	13	2598
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		189.0	426.3	0	0	127	0	21906	0	0	22033	58	307	406	163	2	13	22962

NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

TABLE IV-B SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0800 WILDLIFE AND FISH	28	13.2	30.4	0	0	101	18	0	23	0	142	130	787	887	37	13	192	2298
2800 POULTRY	63	26.4	86.0	0	0	318	77	0	129	0	524	48	430	3635	137	245	346	5365
3000 BEEF CATTLE	157	84.4	209.7	0	0	282	246	0	361	0	870	424	8582	3871	2319	602	1266	18945
3100 DAIRY CATTLE	167	45.5	150.8	0	0	108	39	0	276	0	424	368	1980	2823	1288	638	1221	8851
3200 SWINE	136	29.0	78.6	0	0	441	0	0	149	0	581	159	513	3809	82	586	684	6504
3300 SHEEP AND WOOL	50	23.4	67.7	0	0	113	118	0	124	0	355	90	2086	991	360	95	384	4371
3400 OTHER ANIMALS	285	111.2	430.3	0	0	98	72	0	132	0	304	27	8703	6178	1270	1837	4133	23452
3800 FOOD	1	0.0	1.0	0	0	0	0	0	0	0	0	0	0	1	5	0	11	18
4000 PEOPLE AS INDIVIDUAL	10	5.1	23.6	0	0	0	0	0	0	0	0	4	534	308	149	63	90	1146
4100 FAMILY MEMBERS	2	0.0	2.0	0	0	0	0	0	0	0	0	0	0	3	26	0	14	43
6300 BIO CELL SYSTEMS	4	3.2	12.9	0	0	0	0	0	0	0	0	0	300	209	26	18	36	590
8500 INVERTEBRATES	1	0.0	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23
6600 MICROORGANISMS VIRUS	11	2.6	8.2	0	0	0	26	0	0	0	28	3	36	323	16	12	70	488
6600 ANIMALS(VERTEBRATES)	93	135.6	288.6	0	0	0	0	0	53	0	53	38	8898	6924	550	372	1554	18390
7000 RSCH EQUIP & TECHNOL	2	0.2	2.0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	60
TOTAL		480.0	1395.0	0	0	1442	600	0	1249	0	3291	1291	31880	30333	6244	4483	10024	87546

NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 200																		
210 CONTR PESTS ANIMALS	3	1.2	3.3	0	0	0	0	0	0	0	0	0	2	32	2	0	34	70
211 CONTR DIS ANIMALS	507	325.7	670.1	0	0	1148	145	0	881	0	2174	1086	14034	23492	4210	3353	6837	55198
212 CNTR INTER PARASITES	32	4.4	10.6	0	0	71	45	0	38	0	155	18	36	367	20	184	53	546
213 PROT ANMLS FROM TOXI	26	58.9	111.0	0	0	1	0	0	110	0	111	3	6373	1111	1085	288	1325	10297
214 PROTECT FROM POLLUTI	9	15.5	73.2	0	0	0	0	0	27	0	27	3	3542	576	2	41	152	4345
SUBTOTAL		405.6	1066.2	0	0	1221	189	0	1057	0	2457	1120	23988	26581	5320	3865	8411	70754
SERIES 300																		
310 ANIMAL REPRODUCTION	54	17.8	94.0	0	0	78	255	0	107	0	440	0	2057	1355	393	42	324	4610
311 IMP BIO EFF ANML PR	65	21.9	90.2	0	0	42	111	0	43	0	195	1	2734	821	112	401	456	4720
312 ENV STRESS IN ANML P	12	3.7	9.2	0	0	0	0	0	2	0	2	0	348	304	1	41	61	757
313 PROD MGMT SYS ANML P	2	0.6	1.6	0	0	0	0	0	9	0	9	0	0	19	0	0	40	69
318 NON COM BIO TECH/BIM	26	12.1	56.0	0	0	0	0	0	0	0	0	0	1175	668	68	57	417	2385
SUBTOTAL		56.2	251.2	0	0	119	366	0	161	0	645	1	6315	3167	574	540	1298	12541
SERIES 400																		
409 PROD ANML PR IMP ACC	7	0.1	9.9	0	0	1	26	0	3	0	31	1	2	49	24	1	35	143
410 IMP MEAT MILK EGG PR	1	0.4	0.3	0	0	0	0	0	3	0	3	0	0	49	0	0	0	52
412 MKT QUAL ANIMAL PROD	3	0.7	5.7	0	0	0	0	0	0	0	0	0	161	28	0	0	90	278
SUBTOTAL		1.2	16.0	0	0	1	26	0	6	0	34	1	164	126	24	1	125	475
SERIES 500																		
511 IMP AGRIC STATISTICS	1	0.1	2.0	0	0	0	0	0	0	0	0	0	0	55	0	0	0	55
SUBTOTAL		0.1	2.0	0	0	0	0	0	0	0	0	0	0	55	0	0	0	55
SERIES 600																		
603 TECH AID DEV CRTY	1	0.9	0.6	0	0	0	0	0	0	0	0	0	144	131	0	0	0	275
SUBTOTAL		0.9	0.6	0	0	0	0	0	0	0	0	0	144	131	0	0	0	275
SERIES 700																		
701 TOX RES IN FOOD	2	0.4	6.4	0	0	0	0	0	6	0	6	35	109	14	114	0	23	301
707 TRANS ANML MAN DIS	9	4.6	20.1	0	0	0	0	0	0	0	0	4	485	275	169	63	104	1101
709 REDUCE HAZ HLTH & SF	3	0.6	5.5	0	0	0	0	0	0	0	0	0	48	36	5	0	0	90
SUBTOTAL		5.6	32.0	0	0	0	0	0	6	0	6	39	643	326	289	63	127	1492
SERIES 800																		
804 WDLFE AND FISH ECOL	23	10.2	24.7	0	0	101	18	0	20	0	139	130	625	947	36	13	63	1953
SUBTOTAL		10.2	24.7	0	0	101	18	0	20	0	139	130	625	947	36	13	63	1953
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		480.0	1395.0	0	0	1442	600	0	1249	0	3291	1291	31880	30333	6244	4483	10024	87546

NATIONAL TOTAL OTHER NON-FEDERAL INSTITUTIONS

TABLE IV-6 SUMMARY BY COMMODITY OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	---STAFF--- SUPPORT YRS SYS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	1	0.0	1.5	0	0	0	28	0	0	28	0	0	0	0	0	0	28
0200 WATER	1	1.0	0.0	0	0	0	0	0	97	97	0	0	0	0	0	0	97
0300 WATERSHEDS RIVER BAS	1	0.7	2.9	0	0	0	0	0	163	163	0	0	0	0	0	0	163
0600 TIMBER FORST PRODUCT	46	7.9	18.1	0	0	29	1685	0	0	281	1995	210	48	372	0	84	2710
0700 RANGE	3	0.7	0.7	0	0	43	0	0	50	93	0	20	7	0	0	0	121
0800 CITRUS SUB TROP FRUT	1	0.0	0.1	0	0	0	21	0	0	21	0	0	0	0	0	0	21
1200 VEGETABLES	5	1.0	0.7	0	0	0	81	0	73	133	0	6	0	0	0	0	140
1400 CORN	12	0.7	2.6	0	0	0	292	0	48	342	0	6	15	0	0	0	383
1500 GRAIN SORGHUM	2	0.0	0.0	0	0	0	36	0	0	36	0	45	32	0	0	0	113
1700 WHEAT	3	0.2	1.9	0	0	7	90	0	0	97	0	0	0	0	0	0	97
1800 OTHER SMALL GRAINS	4	1.0	1.8	0	0	0	93	0	0	93	0	6	0	0	0	0	100
2000 FORAGE CROPS	1	0.0	0.1	0	0	2	0	0	0	2	0	0	2	0	0	0	4
2100 COTTON	2	0.0	0.1	0	0	0	179	0	0	179	0	0	0	0	0	0	179
2300 SOYBEANS	4	2.3	3.0	0	0	0	176	0	0	176	0	0	0	0	0	0	176
2500 OTHER DILSEED CROPS	1	0.1	0.3	0	0	0	0	0	23	23	0	0	0	0	0	0	23
2600 TOBACCO	2	0.6	1.2	0	0	0	69	0	0	69	0	74	0	0	0	0	143
2700 SUGAR CROPS	1	0.5	0.5	0	0	0	0	0	98	98	0	0	0	0	0	0	98
2800 MISC NEW CROPS	1	0.4	0.6	0	0	0	0	0	85	85	0	0	0	0	0	0	85
2900 POULTRY	16	5.8	18.5	0	0	0	480	0	287	747	58	13	33	0	0	221	1072
3000 BEEF CATTLE	15	2.8	9.4	0	0	131	345	0	0	475	0	85	17	0	0	13	571
3100 DAIRY CATTLE	5	0.9	3.0	0	0	15	43	0	108	167	0	0	8	0	0	1	175
3200 SWINE	8	1.0	4.6	0	0	0	268	0	0	268	0	32	0	0	0	0	300
3300 SHEEP AND WOOL	2	1.0	1.1	0	0	0	67	0	0	67	0	10	45	0	2	0	123
3400 OTHER ANIMALS	6	0.5	7.1	0	0	0	275	0	0	275	0	0	0	0	0	7	282
3600 FARM SUPP & FACILITS	2	0.5	2.3	0	0	143	32	0	0	175	0	0	0	0	0	0	175
3800 FOOD	4	1.2	3.2	0	0	0	35	0	109	144	0	0	0	0	0	8	150
3900 HOUSING & EQUIP	2	0.4	0.5	0	0	0	103	0	0	103	0	0	0	0	0	0	103
4000 PEOPLE AS INDIVIDUAL	5	0.4	3.3	0	0	0	140	0	0	140	0	0	0	0	18	0	158
4100 FAMILY MEMBERS	1	0.5	1.3	0	0	0	30	0	0	30	0	0	0	0	0	0	30
4300 SOC POLIT ORGANIZ	1	0.7	0.1	0	0	0	0	0	49	49	0	0	0	0	0	0	49
4400 AGRIC ECONDMY U S	1	0.1	0.2	0	0	4	0	0	0	4	0	0	5	0	0	0	9
6200 SEED RESEARCH	1	0.3	1.0	0	0	0	0	0	125	125	0	0	0	0	0	28	153
6300 BIO CELL SYSTEMS	5	0.5	1.6	0	0	50	60	0	63	172	0	330	0	0	30	39	571
8500 INVERTEBRATES	22	5.4	11.0	0	0	0	812	0	80	872	38	48	39	0	0	10	1005
8800 MICROORGANISMS VIRUS	32	5.5	25.5	0	0	0	1365	0	0	1365	0	335	0	0	0	0	1700
8700 PLANTS	47	11.0	27.6	0	0	0	2258	0	63	2320	150	338	379	0	0	178	3386
8800 ANIMALS(VERTEBRATES)	5	0.9	5.0	0	0	0	122	0	50	172	0	0	60	0	0	16	248
7000 RSCH EQUIP & TECHNOL	3	0.4	0.8	0	0	0	55	0	0	55	0	0	0	0	0	0	55
TOTAL		57.4	163.6	0	0	423	9219	0	1793	11436	457	1376	1015	0	50	604	14936

NATIONAL TOTAL DTHR NON-FEDERAL INSTITUTIONS

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS	YRS DTHR	MATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	DTH CSRS	TOTAL CSRS	USDA CGCA	DTH FEO	STATE APPRO	PROD SALE	IND -TRY	DTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESD	1	0.0	1.5	0	0	0	28	0	0	0	28	0	0	0	0	0	0	28
102 SDIL PLNT WTR NUTRI	1	0.0	0.3	0	0	0	42	0	0	0	42	0	0	0	0	0	0	42
103 MGMT OF SALINE SOILS	1	1.0	0.0	0	0	0	0	0	0	97	97	0	0	0	0	0	0	97
105 CONSERV USE OF WATER	2	1.0	5.1	0	0	0	71	0	0	0	71	0	50	0	0	0	0	121
111 BIDL CULT MGMT FORST	8	1.3	1.0	0	0	0	316	0	0	0	316	0	0	0	0	0	7	323
112 IMPROV RANGE RESOR	2	0.1	0.4	0	0	43	0	0	0	0	43	0	20	7	0	0	0	71
SUBTOTAL		3.4	8.4	0	0	43	456	0	0	97	596	0	70	7	0	0	7	681
SERIES 200																		
201 CNTRL FORST INSECTS	11	1.1	4.1	0	0	0	382	0	0	277	659	0	50	0	0	0	0	719
202 CNTRDL FOREST DIS	2	0.0	0.0	0	0	0	96	0	0	0	96	0	0	0	0	0	0	96
203 FOREST FIRE PROTECT	1	0.6	0.3	0	0	0	0	0	0	50	50	0	0	0	0	0	0	50
204 CNTR PESTS FRT & VEG	4	0.1	1.8	0	0	0	80	0	0	0	80	0	0	0	0	0	0	80
205 CNTR OISE FRT & VEG	1	0.6	0.4	0	0	0	0	0	0	49	49	0	0	0	0	0	0	49
206 CNTR WEEDS FRT & VEG	2	0.1	0.3	0	0	0	0	0	0	23	23	0	8	0	0	0	0	30
207 CNTR PESTS FLD CROPS	8	0.2	5.1	0	0	0	233	0	0	0	233	0	53	0	0	0	0	286
208 CNTR OIS FIELD CROPS	2	0.6	0.0	0	0	0	75	0	0	0	75	0	0	0	0	0	0	75
209 CNTR WEEDS FLD CROPS	1	0.0	0.0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	58
210 CNTR PESTS ANIMALS	1	1.0	0.7	0	0	36	0	0	0	0	36	0	0	0	0	0	0	36
211 CNTR OIS ANIMALS	22	4.3	16.8	0	0	102	588	0	0	104	774	58	85	33	0	0	32	982
213 PRDT ANMLS FROM TOXI	1	0.0	2.5	0	0	0	58	0	0	0	58	0	0	0	0	0	0	58
214 PROTECT FROM POLLUTI	2	0.8	1.4	0	0	0	13	0	0	75	88	0	0	0	0	0	18	106
SUBTOTAL		9.5	33.5	0	0	137	1516	0	0	579	2232	58	232	33	0	0	50	2605
SERIES 300																		
301 GENET BREED FORST TR	3	1.2	1.8	0	0	0	40	0	0	0	40	50	0	0	0	0	1	91
302 IMP FOREST ENG SYS	8	2.8	5.8	0	0	0	151	0	0	220	371	0	0	0	0	0	76	447
304 IMP BIO EFF FRT & VE	2	0.3	0.0	0	0	0	61	0	0	0	61	0	0	0	0	0	0	61
305 MECH PRDD FRT & VEGS	1	0.4	0.6	0	0	0	0	0	0	85	85	0	0	0	0	0	0	85
307 IMP BIO EFF FLD CRP	23	3.4	11.9	0	0	7	844	0	0	89	920	0	74	47	0	0	0	1042
308 MECH PRDD FIELD CROP	1	0.4	0.4	0	0	0	0	0	0	78	78	0	0	0	0	0	0	78
310 ANIMAL REPRODUCTION	9	1.8	8.1	0	0	0	323	0	0	0	323	0	32	15	0	0	7	377
311 IMP BIO EFF ANML PR	15	3.2	14.2	0	0	0	509	0	0	117	826	0	23	45	0	2	184	879
312 ENV STRESS IN ANML P	1	0.0	0.8	0	0	0	21	0	0	0	21	0	0	0	0	0	0	21
315 IMP STRUC FARM SUPP	2	0.5	2.3	0	0	143	32	0	0	0	175	0	0	0	0	0	0	175
318 NON COM BIO TECH/BIM	83	20.8	52.9	0	0	50	3864	0	0	250	4263	348	807	790	0	30	255	6594
SUBTOTAL		34.7	97.0	0	0	200	5844	0	0	799	6843	399	1037	897	0	32	523	9830
SERIES 400																		
401 NEW IMP FOREST PRDD	18	2.8	8.2	0	0	29	843	0	0	8	880	0	37	0	0	0	0	917
405 PRDD FLD CROP IMP AC	1	1.8	1.0	0	0	0	83	0	0	0	83	0	0	0	0	0	0	83
407 NEW IMP NON FOOD FC	1	0.1	0.3	0	0	0	0	0	0	23	23	0	0	0	0	0	0	23
412 MKT QUAL ANIMAL PRDD	1	0.3	0.2	0	0	0	0	0	0	29	29	0	0	0	0	0	0	29
SUBTOTAL		5.0	9.7	0	0	29	927	0	0	60	1016	0	37	0	0	0	0	1053
SERIES 500																		
503 MKTG EFF AGRI PRODS	1	0.2	0.5	0	0	8	0	0	0	0	8	0	0	10	0	0	0	18
506 SPly DEMAND AND PRIC	1	0.1	0.2	0	0	4	0	0	0	0	4	0	0	5	0	0	0	9
SUBTOTAL		0.3	0.7	0	0	12	0	0	0	0	12	0	0	15	0	0	0	27
SERIES 700																		
701 TOX RES IN FOOD	2	0.8	4.0	0	0	0	0	0	0	151	151	0	0	0	0	0	2	152
702 FOOD PROT FROM TOX	2	0.8	0.9	0	0	0	0	0	0	59	59	0	0	0	0	0	8	85
708 HUMAN NUTRITION	9	1.9	8.9	0	0	0	337	0	0	0	337	0	0	80	0	18	15	431
SUBTOTAL		3.5	13.8	0	0	0	337	0	0	210	547	0	0	80	0	18	23	648
SERIES 800																		
808 GOVT PROGRAMS	1	0.0	0.1	0	0	2	0	0	0	0	2	0	0	2	0	0	0	4
SUBTOTAL		0.0	0.1	0	0	2	0	0	0	0	2	0	0	2	0	0	0	4
SERIES 900																		
905 TREES BEAUTIFICATION	1	0.2	0.2	0	0	0	38	0	0	0	38	0	0	0	0	0	0	38
908 RURAL INSTITUT IMP	1	0.7	0.1	0	0	0	0	0	0	49	49	0	0	0	0	0	0	49
SUBTOTAL		0.9	0.3	0	0	0	38	0	0	49	86	0	0	0	0	0	0	86
SCIENCE IN SERV OF MAN																		
GRAND TDAL		57.4	183.6	0	0	423	9219	0	0	1793	11436	457	1378	1015	0	50	604	14936

SAES REGION 1 NORTHEAST REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-E SUMMARY BY STATION OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

STATION	NO OF PROJ	STAFF			HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USGA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
		SUPPORT	YRS	OTHER															
CONNECTICUT NEW HAVEN	56	39.7	25.0	676	141	6	0	0	0	0	0	823	0	26	3187	0	0	0	4037
CONNECTICUT STORRS	85	22.7	73.6	867	44	52	44	0	23	0	0	1031	7	630	3404	0	47	827	5746
DIST OF COLUM WASHINGTON	9	4.1	25.0	482	0	0	0	0	0	0	0	462	0	0	295	0	0	0	767
DELAWARE NEWARK	126	31.6	73.1	1090	95	5	10	0	17	0	0	1217	1	114	3526	236	310	588	8082
MASSACHUSETTS AMHERST	124	43.7	159.2	1886	221	104	523	0	13	0	0	2727	134	382	3887	273	892	288	8383
MARYLAND COLLEGE PA	141	66.5	171.6	2089	210	95	159	0	46	0	0	2579	0	0	10428	801	0	0	13808
MAINE ORONO	126	55.6	108.3	1536	526	132	282	0	16	0	0	2473	252	544	4029	492	937	842	9589
NEW HAMPSHIRE DURHAM	67	27.4	62.1	1200	248	0	0	0	10	0	0	1458	0	0	2097	196	0	0	3751
NEW JERSEY NEW BRUNSW	251	98.5	187.8	2293	161	848	97	0	22	0	0	3221	115	711	9471	0	1357	2110	16985
NEW YORK ITHACA	828	289.3	2213.4	3697	102	223	798	0	56	0	0	4876	1273	10391	18173	7554	3884	8032	54163
NEW YORK GENEVA	138	57.4	383.3	817	0	426	97	0	0	0	0	1340	384	186	5908	919	174	1196	10108
PENNSYLVANIA COLLEGE PA	297	146.3	502.8	5126	420	810	256	0	59	0	0	8671	1224	2235	14004	0	1892	1430	27256
RHODE ISLAND KINGSTON	51	25.9	25.0	876	148	50	36	0	19	0	0	1129	0	263	1742	0	0	38	3173
VERMONT BURLINGTON	76	22.3	80.6	1231	0	0	0	0	16	0	0	1246	187	331	1765	0	717	0	4237
WEST VIRGINIA MORGANTOWN	84	41.6	44.0	2258	361	81	24	0	13	0	0	2737	129	133	2384	592	146	212	8312
SUBTOTAL - SAES	2439	972.6	4114.8	28068	2878	2633	2306	0	310	0	0	33993	3706	15945	84071	10863	10205	15382	174145
FORESTRY SCH SYRACUSE	123	58.5	223.1	0	288	0	222	0	0	0	0	490	104	984	9026	0	1595	1294	13484
FORESTRY SCH BURLINGTON	14	4.0	10.3	0	273	0	0	0	0	0	0	273	186	15	299	3	0	27	803
SUBTOTAL - FRSTY SCH	137	62.5	233.4	0	562	0	222	0	0	0	0	763	291	999	9325	3	1595	1322	14298
DEL STATE COL ODVER	7	5.7	4.0	0	0	0	0	457	0	0	0	457	0	0	89	0	0	0	545
MD. STATE COL PRINCESS A	9	6.6	12.7	0	0	0	0	761	0	0	0	761	13	87	129	0	0	0	990
SUBTOTAL - 1890/TUSK	16	12.3	16.7	0	0	0	0	1217	0	0	0	1217	13	87	218	0	0	0	1535
SCH VET MED NEW YORK	139	66.8	455.6	0	0	146	273	0	180	0	0	579	54	5347	4489	2134	585	2633	15802
SCH VET MED PENNSYLVAN	85	18.6	87.9	0	0	86	0	0	42	0	0	128	1	2754	120	0	389	1703	5084
SUBTOTAL - VET MED	224	85.4	543.5	0	0	232	273	0	201	0	0	707	55	8101	4600	2134	974	4336	20886
OTH COOP INS CONNECTICU	4	1.2	2.0	0	0	0	147	0	0	0	0	147	0	0	0	0	0	39	186
OTH COOP INS MASSACHUSE	9	2.3	8.9	0	0	0	264	0	0	0	213	477	0	0	0	0	0	6	484
OTH COOP INS MARYLAND	12	1.9	9.0	0	0	0	546	0	0	0	0	546	0	57	0	0	0	0	603
OTH COOP INS N HAMPSHIR	1	0.2	1.0	0	0	0	43	0	0	0	0	43	0	0	0	0	0	0	43
OTH COOP INS NEW JERSEY	1	0.6	0.4	0	0	0	0	0	0	0	58	58	0	0	0	0	0	0	58
OTH COOP INS NEW YORK	14	5.6	7.3	0	0	0	454	0	0	150	604	0	113	0	0	0	30	82	808
OTH COOP INS PENNSYLVAN	8	0.9	4.4	0	0	0	256	0	0	60	316	0	0	0	0	0	0	39	355
OTH COOP INS RHODE ISLA	2	0.0	0.0	0	0	0	34	0	0	0	34	0	0	0	0	0	0	0	34
OTH COOP INS VERMONT	2	0.2	0.0	0	0	0	105	0	0	0	105	0	0	0	0	0	0	0	105
SUBTOTAL - DCI	53	12.9	33.0	0	0	0	1849	0	0	481	0	2331	0	170	0	0	30	147	2677
TOTAL	2889	1145.7	4941.4	28086	3220	2885	4850	1217	511	481	0	39010	4064	25302	98203	13000	12804	21186	213550

SAES REGION 2 SOUTHERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-E SUMMARY BY STATION OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

STATION	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
ALABAMA AUBURN	221	112.4	576.2	3366	565	148	165	0	71	0	4315	870	622	12347	4673	1055	1861	25743
ARKANSAS FAYETTEVIL	248	108.0	476.8	2903	521	44	128	0	74	0	3689	878	458	15085	0	1004	2534	23407
FLORIDA GAINESVILL	667	407.5	1139.9	2448	435	1439	1187	0	81	0	5590	2875	3998	51808	0	7050	3440	74561
GEORGIA ATHENS	375	176.3	729.5	3954	581	206	483	0	20	0	5244	814	1353	35078	0	461	2343	45294
KENTUCKY LEXINGTON	184	127.5	446.1	4156	321	0	0	0	90	0	4568	0	0	14331	0	0	0	18899
LOUISIANA BATON ROUG	493	219.7	351.7	2696	314	393	116	0	70	0	3589	274	183	19525	2767	2032	2130	30600
MISSISSIPPI STATE COLL	271	209.8	628.2	3474	488	2125	112	0	60	0	6259	842	995	17063	4061	1810	3017	33848
NORTH CAROLINA RALEIGH	596	239.9	871.7	5505	522	341	812	0	111	0	7292	2806	6220	39890	1127	3485	5815	65435
OKLAHOMA STILLWATER	209	114.8	354.5	2591	285	555	296	0	111	0	3840	204	874	12044	1559	1051	765	20447
PUERTO RICO RIO PIEORA	54	58.6	436.9	3609	0	480	0	0	13	0	4101	0	0	5389	580	0	0	10170
SOUTH CAROLINA CLEMSON	235	94.8	339.0	2893	0	529	57	0	21	0	3500	142	113	13454	0	1203	596	19009
TENNESSEE KNOXVILLE	191	111.3	312.9	4051	385	100	107	0	64	0	4706	50	286	13257	3158	565	287	22289
TEXAS COLLEGE ST	492	286.9	1570.5	5294	238	957	800	0	384	0	7672	2372	6628	38036	7691	7276	44	69718
VIRGINIA BLACKSBURG	311	169.4	571.5	3531	436	160	0	0	94	0	4220	1272	4039	20789	0	2974	2889	36183
VIRGIN ISLANDS ST. THOMAS	20	5.4	27.2	885	0	198	0	0	0	0	883	0	0	294	0	0	0	1177
SUBTOTAL - SAES	4577	2443.3	8832.6	51157	5092	7674	4263	0	1262	0	69448	12800	25768	308170	25816	29777	25701	497479
FORESTRY SCH RUSTON	9	2.7	0.0	0	144	0	0	0	0	0	144	0	0	212	0	0	0	366
FORESTRY SCH CLEMSON	34	11.8	29.7	0	450	0	0	0	0	0	450	13	0	1029	78	18	0	1588
FORESTRY SCH WACOGDOCHE	18	3.7	7.6	0	232	0	0	0	0	0	232	30	47	314	0	0	84	707
SUBTOTAL - FRSTY SCH	61	18.2	37.2	0	826	0	0	0	0	0	826	42	47	1555	78	18	84	2652
ALA TUSKEGEE TUSKEGEE	7	9.8	23.4	0	0	0	0	1243	0	0	1243	0	0	0	0	0	0	1243
ALABAMA A&M NORMAL	25	12.0	18.2	0	0	0	0	1332	0	0	1332	46	219	188	0	0	0	1785
ARKANSAS A&M PINE BLUFF	13	8.3	26.3	0	0	0	0	1194	0	0	1194	0	0	0	0	2	13	1210
FLORIDA A&M TALLAHASSEE	10	8.6	18.5	0	0	0	0	922	0	0	922	0	0	0	0	0	0	922
FT. VALLEY COL FORT VALLE	20	11.6	31.5	0	0	0	0	1437	0	0	1437	0	0	0	0	0	0	1437
KY STATE COLL FRANKFORT	12	10.2	21.0	0	0	0	0	1640	0	0	1640	0	0	0	0	0	0	1640
SOUTHERN UNIV BATON ROUG	11	6.2	21.8	0	0	0	0	1007	0	0	1007	0	0	0	0	0	0	1007
ALCORN A&M LORMAN	10	6.9	35.9	0	0	0	0	1375	0	0	1375	0	0	0	0	0	0	1375
AG TECH NC GREENSBORO	19	11.3	54.2	0	0	0	0	2019	0	0	2019	0	0	0	50	0	0	2069
LANGSTON UNIV LANGSTON	5	7.3	15.4	0	0	0	0	924	0	0	924	0	0	0	0	0	0	924
SC STATE COLL ORANGEBURG	13	7.3	25.3	0	0	0	0	1113	0	0	1113	0	0	0	0	0	0	1113
TEN A&M IND NASHVILLE	13	12.9	31.1	0	0	0	0	1634	0	0	1634	0	0	0	0	0	0	1634
PRAIRIE VW A&M PRAIRIE VI	12	17.2	25.3	0	0	127	0	1941	0	0	2067	0	0	0	0	0	0	2067
VA STATE COLL PETERSBURG	8	15.2	41.4	0	0	0	0	1375	0	0	1375	0	0	0	0	0	0	1375
SUBTOTAL - 1890/TUSK	178	144.8	387.3	0	0	127	0	19156	0	0	19283	46	219	188	50	2	13	19802
SCH VET MED TUSKEGEE	3	0.0	0.0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	4
SCH VET MED AUBURN	21	10.4	23.0	0	0	20	0	0	43	0	63	56	56	1506	2	20	55	1768
SCH VET MED FLORIDA	35	17.1	28.8	0	0	0	0	0	75	0	75	50	440	2618	0	144	208	3535
SCH VET MED GEORGIA	27	34.2	52.0	0	0	207	18	0	126	0	351	20	289	4504	0	70	96	5330
SCH VET MED LOUISIANA	22	13.0	46.6	0	0	129	0	0	21	0	150	29	191	1838	67	132	23	2431
SCH VET MED TEXAS	8	29.4	41.9	0	0	0	0	0	0	0	0	161	882	1983	0	395	584	4006
SUBTOTAL - VET MED	116	104.1	192.3	0	0	357	18	0	269	0	643	326	1858	12451	69	760	967	17074
OTH COOP INS ALABAMA	1	0.2	3.8	0	0	0	100	0	0	0	100	0	0	0	0	0	0	100
OTH COOP INS FLORIDA	6	0.9	3.6	0	0	0	394	0	0	0	394	0	13	5	0	0	0	413
OTH COOP INS GEORGIA	4	1.0	6.7	0	0	0	212	0	0	0	212	0	103	0	0	0	0	316
OTH COOP INS LOUISIANA	5	0.8	2.6	0	0	28	97	0	0	0	126	0	0	2	0	0	0	128
OTH COOP INS MISSISSIPPI	1	0.0	2.0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	5
OTH COOP INS N CAROLINA	4	1.8	5.1	0	0	0	133	0	0	117	250	0	0	33	0	0	118	400
OTH COOP INS OKLAHOMA	2	0.2	1.0	0	0	0	124	0	0	0	124	0	0	0	0	0	0	124
OTH COOP INS PUERTO RIC	1	0.0	0.0	0	0	0	54	0	0	0	54	0	0	0	0	0	0	54
OTH COOP INS S CAROLINA	1	0.6	0.3	0	0	0	0	0	0	0	0	50	0	0	0	0	0	50
OTH COOP INS TENNESSEE	5	0.8	8.0	0	0	0	191	0	0	8	199	0	0	0	0	0	0	199
OTH COOP INS TEXAS	11	3.2	5.9	0	0	20	537	0	0	0	557	0	0	25	0	18	3	604
OTH COOP INS VIRGINIA	6	1.6	5.2	0	0	0	89	0	0	157	246	0	65	0	0	0	0	310
SUBTOTAL - DCI	47	11.1	44.2	0	0	49	1938	0	0	281	2268	50	181	65	0	18	126	2708
TOTAL	4979	2721.5	9493.6	51157	5918	8207	6219	19156	1531	281	92468	13265	28073	322429	26013	30576	26890	539715

SAES REGION 3 NORTH CENTRAL REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-E SUMMARY BY STATION OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

STATION		NO OF PROJ	STAFF SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FEO	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
ILLINOIS	URBANA	354	165.0	535.3	4584	110	202	888	0	163	0	5747	2074	2086	12952	2989	2494	1330	28673
INDIANA	LAFAYETTE	384	143.4	545.4	4122	281	286	749	0	103	0	5521	429	5928	17225	4166	3266	2533	39068
IOWA	AMES	341	113.9	455.1	4851	166	597	549	0	52	0	8216	2004	1431	13984	1102	8396	1891	33024
KANSAS	MANHATTAN	386	193.2	535.2	2842	141	734	590	0	172	0	4479	342	3837	16367	4976	1861	1418	33079
MICHIGAN	LANSING	437	152.1	395.9	4193	188	2103	1121	0	96	0	7881	1696	4905	18620	2686	4434	2559	42584
MINNESOTA	ST PAUL	380	180.2	788.2	4215	391	348	488	0	89	0	5532	1337	1515	31516	0	1537	2806	44243
MISSOURI	COLUMBIA	245	135.7	824.0	3810	352	892	700	0	157	0	6012	523	1948	12457	2961	822	2335	27058
NORTH DAKOTA	FARGO	215	129.3	237.3	2007	90	510	133	0	56	0	2786	465	561	11636	1858	637	1662	19714
NEBRASKA	LINCOLN	302	138.4	769.3	2763	123	153	213	0	179	0	3430	2412	1442	12530	9087	1702	875	31478
OHIO	WOOSTER	370	152.7	573.3	4887	324	265	573	0	78	0	6127	117	778	22742	2587	1936	1521	35809
SOUTH DAKOTA	BROOKINGS	133	69.3	207.9	2051	112	0	66	0	91	0	2319	146	36	4023	467	403	798	8192
WISCONSIN	MADISON	572	168.9	855.4	4210	389	773	1874	0	196	0	7442	751	13384	21329	0	6919	402	50226
SUBTOTAL - SAES		4079	1742.1	6322.3	44536	2846	6843	7745	0	1433	0	63302	12298	37652	195381	32979	20130		394149
FORESTRY SCH	CARBONDALE	13	5.5	14.5	0	123	0	0	0	0	0	123	0	7	432	0	0	75	637
FORESTRY SCH	ANN ARBOR	26	5.4	15.3	0	157	0	0	0	0	0	157	425	29	634	0	47	100	1393
FORESTRY SCH	HOUGHTON	29	9.7	35.6	0	180	64	0	0	0	0	224	0	69	679	0	188	1008	2168
SUBTOTAL - FRSTY SCH		68	20.6	65.4	0	440	64	0	0	0	0	504	425	104	1745	0	236	1183	4198
LINCOLN UNIV	JEFFERSON	15	11.9	22.3	0	0	0	0	1532	0	0	1532	0	0	0	113	0	0	1645
SUBTOTAL - 1890/TUSK		15	11.9	22.3	0	0	0	0	1532	0	0	1532	0	0	0	113	0	0	1645
SCH VET MED	IOWA	142	26.1	84.5	0	0	146	0	0	205	0	351	383	130	4646	0	627	494	8631
SCH VET MED	MINNESOTA	37	23.8	53.6	0	0	280	22	0	82	0	384	0	921	2038	0	472	722	4537
SCH VET MED	MISSOURI	42	22.2	54.8	0	0	0	0	0	0	0	0	36	1088	1079	370	128	651	3362
SCH VET MED	OHIO	70	14.4	54.7	0	0	30	0	0	35	0	65	26	1156	0	0	141	713	2101
SUBTOTAL - VET MED		291	86.5	227.6	0	0	455	22	0	322	0	800	445	3304	7763	370	1369	2580	16631
OTH COOP INS	ILLINOIS	12	1.0	10.1	0	0	0	531	0	0	0	531	0	302	0	0	0	17	850
OTH COOP INS	INDIANA	4	1.5	3.0	0	0	0	199	0	0	0	199	0	0	60	0	0	0	259
OTH COOP INS	IOWA	7	0.3	3.9	0	0	0	179	0	0	0	179	0	0	0	0	0	120	299
OTH COOP INS	KANSAS	2	0.0	1.8	0	0	0	73	0	0	0	73	0	0	0	0	0	0	73
OTH COOP INS	MICHIGAN	13	4.4	8.5	0	0	0	590	0	0	0	590	0	153	0	0	0	13	757
OTH COOP INS	MINNESOTA	11	1.3	6.3	0	0	0	471	0	0	0	471	0	0	47	0	0	12	530
OTH COOP INS	MISSOURI	7	1.1	5.2	0	0	0	155	0	0	0	152	93	0	8	0	0	10	273
OTH COOP INS	N DAKOTA	2	1.2	1.4	0	0	36	0	0	0	47	82	0	0	0	0	0	0	82
OTH COOP INS	NEBRASKA	6	0.7	3.6	0	0	143	157	0	0	0	298	0	0	0	0	0	0	259
OTH COOP INS	OHIO	9	4.3	8.5	0	0	0	594	0	0	0	594	310	8	744	0	0	19	1675
OTH COOP INS	S DAKOTA	1	0.7	0.1	0	0	0	0	0	0	49	48	0	0	0	0	0	0	49
OTH COOP INS	WISCONSIN	16	2.7	6.1	0	0	0	418	0	0	0	418	0	63	0	0	0	0	482
SUBTOTAL - OCI		90	19.2	58.5	0	0	186	3369	0	0	96	3650	403	526	859	0	0	191	5630
TOTAL		4543	1880.3	6696.1	44536	3086	7548	11136	1532	1755	96	69788	13571	41587	205748	33462	24084		422253

SAES REGION 4 WESTERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-E SUMMARY BY STATION OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

STATION	ND OF PROJ	STAFF SUPPRT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	DTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRD	PRDD SALE	IND -TRY	OTH -ER	TOTAL
ALASKA FAIRBANKS	23	11.2	23.2	836	319	18	0	0	10	0	1183	0	0	2450	0	6	15	3854
ARIZONA TUCSON	261	138.1	362.4	1637	127	359	446	0	61	0	2631	868	1379	15331	236	819	1030	22093
CALIFORNIA BERKELEY	1168	551.6	1653.2	4295	438	1588	3514	0	238	0	10071	1341	14484	87895	878	11347	748	126587
COLORADO FT COLLINS	185	188.4	232.7	2259	308	233	0	0	0	0	2801	1680	5675	6768	1283	364	4114	23864
GUAM AGANA	31	11.6	41.2	720	0	254	0	0	0	0	974	0	0	523	0	0	0	1498
HAWAII HONOLULU	251	91.0	172.7	1086	124	1831	81	0	7	0	3139	486	2239	8316	353	0	1152	15886
IDAHO MOSCOW	121	94.1	147.1	1791	0	43	0	0	66	0	1900	27	138	7775	955	1209	325	12329
MONTANA BOZEMAN	133	74.1	227.8	1753	0	128	0	0	81	0	1983	448	1014	8447	1193	395	807	12068
NEVADA RENO	125	34.0	58.3	1021	52	20	166	0	20	0	1278	11	441	3254	496	133	484	6099
NEW MEXICO UNIV PARK	149	68.4	147.6	1363	226	259	85	0	41	0	1874	740	271	6219	209	311	846	10571
N MARIANAS SAIPAN	2	1.5	43.1	312	0	0	0	0	0	0	312	0	0	0	0	0	22	334
OREGON CORVALLIS	312	158.0	409.7	2370	0	729	395	0	54	0	3548	1133	4054	14706	1530	1952	1962	28884
AMERICAN SAMOA PAGO PAGO	3	1.8	10.4	290	0	0	0	0	0	0	290	0	0	0	0	0	0	290
UTAH LOGAN	225	79.3	129.5	1488	184	140	221	0	46	0	2079	588	2232	5745	397	1226	412	12679
WASHINGTON PULLMAN	268	116.7	398.1	2987	240	350	0	0	148	0	3725	1223	2035	13496	843	1192	3367	25880
WYOMING LARAMIE	79	48.2	67.7	1306	154	88	51	0	43	0	1641	0	825	3406	0	37	451	6160
SUBTOTAL - SAES	3306	1886.0	4325.7	25525	2172	8040	4958	0	813	0	39508	8525	35590	182330	8173	18791	15536	308453
FORESTRY SCH FLAGSTAFF	24	6.6	20.6	0	114	0	0	0	0	0	114	180	25	243	0	122	32	715
FORESTRY SCH S L OBISPO	1	33.0	16.0	0	26	0	0	0	0	0	26	37	470	286	0	426	0	1245
FORESTRY SCH ARCAT	10	0.7	2.0	0	71	0	0	0	0	0	71	0	0	88	0	9	8	176
FORESTRY SCH MOSCOW	69	22.8	41.1	0	375	4	0	0	0	0	379	128	422	1989	488	244	183	3813
FORESTRY SCH MISSOULA	57	17.2	41.9	0	329	0	0	0	0	0	329	255	174	714	34	7	117	1631
FORESTRY SCH CORVALLIS	88	53.4	141.1	0	603	371	330	0	0	0	1304	1099	1344	3535	0	275	504	8061
FORESTRY SCH SEATTLE	86	23.8	48.9	0	272	115	107	0	0	0	494	567	1419	2195	0	415	285	5356
SUBTOTAL - FRSTY SCH	335	157.5	311.6	0	1789	491	437	0	0	0	2717	2268	3854	9030	523	1499	1109	20997
SCH VET MED CALIFORNIA	48	44.1	190.6	0	0	0	0	0	179	0	179	235	8742	992	1550	704	106	12508
SCH VET MED COLORADO	10	81.2	185.0	0	0	74	226	0	237	0	536	147	8578	892	2120	181	1279	13734
SCH VET MED OREGON	25	3.9	10.8	0	0	127	17	0	41	0	185	60	244	0	0	237	284	1021
SCH VET MED WASHINGTON	30	74.8	64.2	0	0	197	45	0	0	0	242	24	1053	3845	0	257	462	5683
SUBTOTAL - VET MED	113	204.0	431.6	0	0	398	287	0	457	0	1142	466	18617	5530	3670	1379	2141	32945
OTH COOP INS ARIZONA	1	0.0	0.5	0	0	0	39	0	0	0	39	3	2	16	0	0	0	60
OTH COOP INS CALIFORNIA	19	3.8	7.1	0	0	102	622	0	0	399	1123	0	126	0	0	0	55	1303
OTH COOP INS COLORADO	5	1.5	2.0	0	0	0	132	0	0	97	229	0	10	45	0	2	0	285
OTH COOP INS IDAHO	2	0.3	2.5	0	0	0	170	0	0	0	170	0	0	15	0	0	0	185
OTH COOP INS MONTANA	2	0.3	1.4	0	0	0	21	0	0	217	238	0	11	0	0	0	0	249
OTH COOP INS NEW MEXICO	2	0.5	2.5	0	0	50	84	0	0	0	134	0	330	0	0	0	0	464
OTH COOP INS OREGON	2	0.5	1.0	0	0	0	82	0	0	0	82	0	0	0	0	0	0	82
OTH COOP INS UTAH	4	0.7	3.4	0	0	37	252	0	0	101	389	0	20	15	0	0	2	426
OTH COOP INS WASHINGTON	15	6.6	7.5	0	0	0	662	0	0	122	783	0	0	0	0	0	84	867
SUBTOTAL - DCI	53	14.2	27.9	0	0	189	2063	0	0	935	3187	3	499	91	0	2	141	3922
TOTAL	3807	2041.7	5096.8	25525	3961	7117	7746	0	1270	935	46554	11260	58559	196980	12366	21671	18927	366317
GRAND TOTAL	16198	7789.2	28227.9	147384	16185	25736	29750	21906	5067	1793	247821	42180	153521	823360	84841	99064	91068	1541836

SAES REGION 1 NORTHEAST REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-F FY 1988 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES -- IN THOUSANDS OF DOLLARS

STATION		ND OF PROJ	STAFF SUPPORT SYS	YRS OTHER	CSRS ADM	USDA CCCA	NSF	DDE	AID	ODD	NIH	PHS	HHS	NASA	TVA	OTH -ER	TOTAL OTHER FED	TOTAL NON- FED	TOTAL
CONNECTICUT	NEW HAVEN	56	39.7	25.0	823	0	0	0	0	0	0	0	0	0	0	26	26	3187	4037
CONNECTICUT	STORRS	65	22.7	73.6	1031	7	0	0	0	30	474	0	0	0	0	125	830	4078	5746
DIST OF COLUM	WASHINGTON	9	4.1	25.0	452	0	0	0	0	0	0	0	0	0	0	0	0	295	757
DELAWARE	NEWARK	126	31.6	73.1	1217	1	28	0	0	0	0	0	0	0	0	86	114	4730	5062
MASSACHUSETTS	AMHERST	124	43.7	159.2	2727	134	315	0	0	0	67	0	0	0	0	0	382	5140	8383
MARYLAND	COLLEGE PA	141	86.5	171.6	2579	0	0	0	0	0	0	0	0	0	0	0	0	11028	13608
MAINE	ORONO	126	55.6	108.3	2473	252	2	0	0	0	136	0	0	0	0	406	544	8300	9569
NEW HAMPSHIRE	DURHAM	67	27.4	62.1	1458	0	0	0	0	0	0	0	0	0	0	0	0	2293	3751
NEW JERSEY	NEW BRUNSW	251	98.5	187.8	3221	115	166	76	20	0	16	289	0	0	0	143	711	12938	16985
NEW YORK	ITHACA	828	289.3	2213.4	4876	1273	1924	321	816	486	5549	0	108	29	0	1158	10391	37623	54163
NEW YORK	GENEVA	138	57.4	383.3	1340	384	68	0	0	0	117	0	0	0	0	2	186	8198	10108
PENNSYLVANIA	COLLEGE PA	297	146.3	502.8	6671	1224	92	246	1527	0	116	14	0	0	7	234	2235	17125	27256
RHODE ISLAND	KINGSTON	51	25.9	25.0	1129	0	0	0	0	0	0	0	0	0	0	263	263	1780	3173
VERMONT	BURLINGTON	76	22.3	60.6	1246	187	32	0	4	0	0	0	0	0	0	294	331	2472	4237
WEST VIRGINIA	MORGANTOWN	84	41.6	44.0	2737	129	0	0	0	0	0	0	0	0	10	123	133	3314	6312
SUBTOTAL - SAES		2439		4114.8		3706		643		516		303		29		2860		120501	
			972.6		33993		2626		2367		6476		108		16		15945		174145
FORESTRY SCH	SYRACUSE	123	58.5	223.1	490	104	279	80	35	11	178	0	0	0	0	400	984	11916	13494
FORESTRY SCH	BURLINGTON	14	4.0	10.3	273	186	0	0	0	0	0	0	0	4	0	11	15	329	803
SUBTOTAL - FRSTY SCH		137		233.4		291		80		11		0		4		411		12245	
			62.5		763		279		35		178		0		0		999		14298
DEL STATE COL	DOVER	7	5.7	4.0	457	0	0	0	0	0	0	0	0	0	0	0	0	89	545
MD. STATE COL	PRINCESS A	9	6.6	12.7	761	13	87	0	0	0	0	0	0	0	0	0	87	129	990
SUBTOTAL - 1890/TUSK		16		16.7		13		0		0		0		0		0		218	
			12.3		1217		87		0		0		0		0		87		1535
SCH VET MED	NEW YORK	139	66.8	455.6	579	54	129	0	0	517	4474	0	0	0	0	227	5347	9822	15802
SCH VET MED	PENNSYLVAN	85	18.6	87.9	128	1	68	0	0	0	2634	0	0	0	0	51	2754	2212	5094
SUBTOTAL - VET MED		224		543.5		55		0		517		0		0		278		12034	
			85.4		707		197		0		7108		0		0		8101		20896
OTH COOP INS	CONNECTICU	4	1.2	2.0	147	0	0	0	0	0	0	0	0	0	0	0	0	39	186
OTH COOP INS	MASSACHUSE	9	2.3	8.8	477	0	0	0	0	0	0	0	0	0	0	0	0	6	484
OTH COOP INS	MARYLAND	12	1.9	9.0	546	0	0	0	0	0	13	0	0	0	0	44	57	0	603
OTH COOP INS	N HAMPSHIR	1	0.2	1.0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	43
OTH COOP INS	NEW JERSEY	1	0.6	0.4	58	0	0	0	0	0	0	0	0	0	0	0	0	0	58
OTH COOP INS	NEW YORK	14	5.6	7.3	604	0	74	0	0	0	0	0	0	0	0	39	113	92	808
OTH COOP INS	PENNSYLVAN	8	0.9	4.4	316	0	0	0	0	0	0	0	0	0	0	0	0	39	355
OTH COOP INS	RHODE ISLA	2	0.0	0.0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	34
OTH COOP INS	VERMONT	2	0.2	0.0	105	0	0	0	0	0	0	0	0	0	0	0	0	0	105
SUBTOTAL - DCI		53		33.0		0		0		0		0		0		82		177	
			12.9		2331		74		0		13		0		0		170		2677
TOTAL		2869		4941.4		4064		723		1045		303		32		3632		145174	
			1145.7		39010		3264		2403		13776		108		16		25302		213550

SAES REGION 2 SOUTHERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-F FY 1988 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES -- IN THOUSANDS OF DOLLARS

STATION		NO OF PROJ	STAFF			CSRS ADM	USDA CGCA	NSF	DOE	AID	DDD	NIH	PHS	HHS	NASA	TVA	OTH -ER	TOTAL OTHER FED	TOTAL NON- FED	TOTAL
			SYS	YRS	OTHER															
ALABAMA	AUBURN	221	112.4	576.2	4315	870	17	0	182	3	0	0	0	97	196	128	622	19936	25743	
ARKANSAS	FAYETTEVILLE	248	109.0	476.8	3689	878	0	0	20	61	0	0	0	0	0	376	458	18803	23407	
FLORIDA	GAINESVILLE	887	407.5	1139.9	5590	2675	610	237	45	2	1044	36	4	0	12	2007	3998	82298	74581	
GEORGIA	ATHENS	375	176.3	729.5	5244	814	71	35	423	0	75	0	0	36	45	669	1353	37883	45294	
KENTUCKY	LEXINGTON	184	127.5	446.1	4588	0	0	0	0	0	0	0	0	0	0	0	0	14331	18899	
LOUISIANA	BATON ROUGE	493	219.7	351.7	3589	274	0	0	0	0	0	114	0	11	0	58	183	28454	30500	
MISSISSIPPI	STATE COLL	271	209.8	628.2	8259	842	0	32	460	84	0	180	0	0	48	211	995	25751	33646	
NORTH CAROLINA	RALEIGH	596	239.9	871.7	7292	2806	802	160	2846	410	0	1535	0	40	0	827	6220	50117	86436	
OKLAHOMA	STILLWATER	209	114.8	354.5	3840	204	478	86	0	20	310	0	0	0	0	0	874	15529	20447	
PUERTO RICO	RIO PIEDRA	64	58.6	436.9	4101	0	0	0	0	0	0	0	0	0	0	0	0	6069	10170	
SOUTH CAROLINA	CLEMSON	235	94.8	339.0	3500	142	27	0	0	0	0	0	0	29	0	57	113	15253	19009	
TENNESSEE	KNOXVILLE	191	111.3	312.9	4706	50	0	2	0	0	0	8	0	0	12	283	286	17248	22289	
TEXAS	COLLEGE ST	492	288.9	1570.5	7672	2372	842	126	2026	458	2316	0	0	41	15	1004	8628	53047	89718	
VIRGINIA	BLACKSBURG	311	189.4	571.5	4220	1272	327	117	0	7	0	1156	0	3	0	2429	4039	28852	36183	
VIRGIN ISLANDS	ST. THOMAS	20	5.4	27.2	883	0	0	0	0	0	0	0	0	0	0	0	0	294	1177	
SUBTOTAL - SAES		4577		8832.6		12800		776		1046		3001		227		7828		389463		
		2443.3			69448			2774		8002		3752		33		329		25788	497479	
FORESTRY SCH	RUSTON	9	2.7	0.0	144	0	0	0	0	0	0	0	0	0	0	0	0	0	212	356
FORESTRY SCH	CLEMSON	34	11.8	29.7	450	13	0	0	0	0	0	0	0	0	0	0	0	0	1126	1588
FORESTRY SCH	MACGOWDUCHE	18	3.7	7.5	232	30	0	0	0	0	0	0	0	0	0	47	47	398	707	
SUBTOTAL - FRSTY SCH		81		37.2		42		0		0		0		0		47		1736		
			18.2		826			0		0		0		0		0		47	2852	
ALA TUSKEGEE	TUSKEGEE	7	9.8	23.4	1243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1243
ALABAMA A&M	NORMAL	25	12.0	16.2	1332	46	0	0	219	0	0	0	0	0	0	0	219	188	1785	
ARKANSAS A&M	PINE BLUFF	13	8.3	26.3	1194	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1210
FLORIDA A&M	TALLAHASSEE	10	8.6	18.5	922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	922
FT. VALLEY COL	FORT VALLE	20	11.6	31.5	1437	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1437
KY STATE COLL	FRANKFORT	12	10.2	21.0	1840	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1840
SOUTHERN UNIV	BATON ROUGE	11	6.2	21.8	1007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1007
ALCORN A&M	LORMAN	10	6.9	35.9	1375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1375
AG TECH NC	GREENSBORO	19	11.3	54.2	2019	0	0	0	0	0	0	0	0	0	0	0	0	50	2069	
LANGSTON UNIV	LANGSTON	5	7.3	15.4	924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	924
SC STATE COLL	ORANGEBURG	13	7.3	25.3	1113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1113
TEN A&M IND	NASHVILLE	13	12.9	31.1	1834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1834
PRAIRIE VW A&M	PRAIRIE VI	12	17.2	25.3	2067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2067
VA STATE COLL	PETERSBURG	8	15.2	41.4	1375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1375
SUBTOTAL - 1890/TUSK		178		387.3		46		0		0		0		0		0		254		
			144.8		19283			0		219		0		0		0		219	19802	
SCH VET MED	TUSKEGEE	3	0.0	0.0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
SCH VET MED	AUBURN	21	10.4	23.0	63	66	0	0	27	0	8	0	0	0	0	20	56	1583	1768	
SCH VET MED	FLORIDA	35	17.1	28.8	75	50	0	0	0	87	353	0	0	0	0	0	440	2971	3536	
SCH VET MED	GEORGIA	27	34.2	52.0	351	20	0	0	0	0	288	0	0	0	0	20	289	4671	5330	
SCH VET MED	LOUISIANA	22	13.0	46.6	150	29	0	0	0	0	11	56	0	0	124	191	2060	2431		
SCH VET MED	TEXAS	8	29.4	41.9	0	161	0	170	28	0	566	3	0	0	0	115	882	2962	4006	
SUBTOTAL - VET MED		116		192.3		328		170		87		59		0		280		14247		
			104.1		843			0		55		1207		0		0		1858	17074	
OTH COOP INS	ALABAMA	1	0.2	3.8	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
OTH COOP INS	FLORIDA	6	0.9	3.6	394	0	0	0	0	0	0	13	0	0	0	0	13	5	413	
OTH COOP INS	GEORGIA	4	1.0	6.7	212	0	0	0	0	0	50	0	0	0	0	53	103	0	316	
OTH COOP INS	LOUISIANA	5	0.8	2.6	126	0	0	0	0	0	0	0	0	0	0	0	0	2	128	
OTH COOP INS	MISSISSIPPI	1	0.0	2.0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
OTH COOP INS	N CAROLINA	4	1.8	5.1	250	0	0	0	0	0	0	0	0	0	0	0	0	151	400	
OTH COOP INS	OKLAHOMA	2	0.2	1.0	124	0	0	0	0	0	0	0	0	0	0	0	0	5	129	
OTH COOP INS	PUERTO RICO	1	0.0	0.0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	54	
OTH COOP INS	S CAROLINA	1	0.6	0.3	0	50	0	0	0	0	0	0	0	0	0	0	0	0	50	
OTH COOP INS	TENNESSEE	5	0.8	8.0	199	0	0	0	0	0	0	0	0	0	0	0	0	0	199	
OTH COOP INS	TEXAS	11	3.2	5.9	557	0	0	0	0	0	0	0	0	0	0	0	0	46	804	
OTH COOP INS	VIRGINIA	6	1.8	5.2	246	0	0	0	85	0	0	0	0	0	0	0	85	0	310	
SUBTOTAL - DCI		47		44.2		50		0		85		50		13		0	53		209	
			11.1		2288			0				50		0		0		181	2708	
TOTAL		4979	2721.5	9493.6	92488	13285	2774	946	6341	1133	5010	3073	33	227	329	8208	28073	405909	539715	

SAES REGION 3 NORTH CENTRAL REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-F FY 1988 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES -- IN THOUSANDS OF DOLLARS

STATION	NO OF PROJ	STAFF			CSRS ADM	USDA CGCA	NSF	DOE	AID	DOD	NIH	PHS	HHS	NASA	TVA	OTH -ER	TOTAL OTHER FED	TOTAL NON- FED	TOTAL
		PROJ	SYS	OTHER															
ILLINOIS	URBANA	354	185.0	535.3	5747	2074	155	178	209	158	37	1038	13	0	42	259	2088	19765	29673
INDIANA	LAFAYETTE	364	143.4	545.4	5521	429	559	743	895	287	0	0	3091	226	0	328	5928	27190	39068
IOWA	AMES	341	113.9	455.1	8216	2004	143	11	7	86	0	0	887	0	3	514	1431	23374	33024
KANSAS	MANHATTAN	366	193.2	535.2	4479	342	358	57	1211	190	0	0	1113	357	43	309	3537	24622	33079
MICHIGAN	LANSING	437	152.1	395.9	7681	1898	399	205	2105	0	10	911	0	0	2	1273	4905	26289	42544
MINNESOTA	ST PAUL	380	180.2	788.2	5532	1337	190	46	0	188	282	1	577	4	0	249	1515	35859	44243
MISSOURI	COLUMBIA	245	135.7	824.0	8012	523	600	153	0	12	576	0	0	2	0	804	1948	18575	27058
NORTH DAKOTA	FARGO	215	129.3	237.3	2796	485	86	55	0	0	109	0	5	0	11	294	551	15893	19714
NEBRASKA	LINCOLN	302	136.4	789.3	3430	2412	200	21	736	0	108	0	257	5	36	79	1442	24194	31478
OHIO	WOODSTER	370	152.7	573.3	8127	117	92	72	101	0	289	0	0	0	9	215	778	28786	35809
SOUTH DAKOTA	BROOKINGS	133	69.3	207.9	2319	146	0	0	28	0	0	0	0	0	8	0	36	5691	8192
WISCONSIN	MADISON	572	168.9	855.4	7442	751	992	250	2466	173	8507	0	0	134	0	862	13384	28650	50226
SUBTOTAL - SAES		4079		6322.3		12298		1788		1072		1851		727		4987		280897	
			1742.1		83302		3774		7558		9898		5743		153		37652		394149
FORESTRY SCH	CARBONDALE	13	5.5	14.5	123	0	0	0	0	0	0	0	0	0	0	7	7	508	637
FORESTRY SCH	ANN ARBOR	26	5.4	15.3	157	425	29	0	0	0	0	0	0	0	0	0	29	782	1393
FORESTRY SCH	HOUGHTON	29	9.7	35.6	224	0	2	0	0	0	0	0	0	0	0	57	89	1876	2188
SUBTOTAL - PRSTY SCH		88		85.4		425		31		0		0		0		74		3185	
			20.6		504		31		0		0		0		0		104		4198
LINCOLN UNIV	JEFFERSON	15	11.9	22.3	1532	0	0	0	0	0	0	0	0	0	0	0	0	113	1645
SUBTOTAL - 1890/TUSK		15		22.3		0		0		0		0		0		0		113	
			11.9		1532		0		0		0		0		0		0		1645
SCH VET MED	IOWA	142	26.1	64.5	351	383	81	0	0	0	88	0	1	0	0	0	130	5767	6631
SCH VET MED	MINNESOTA	37	23.8	53.6	384	0	0	0	0	0	921	0	0	0	0	0	921	3233	4637
SCH VET MED	MISSOURI	42	22.2	54.8	0	36	107	0	80	0	911	0	0	0	0	0	1098	2228	3362
SCH VET MED	OHIO	70	14.4	54.7	85	26	0	0	22	0	0	0	0	0	0	1134	1156	854	2101
SUBTOTAL - VET MED		291		227.6		445		0		0		0		1		1134		12082	
			86.5		800		168		103		1899		1		0		3304		16631
OTH COOP INS	ILLINOIS	12	1.0	10.1	531	0	0	0	0	0	302	0	0	0	0	0	302	17	850
OTH COOP INS	INDIANA	4	1.5	3.0	199	0	0	0	0	0	0	0	0	0	0	0	0	60	259
OTH COOP INS	IOWA	7	0.3	3.9	179	0	0	0	0	0	0	0	0	0	0	0	0	120	299
OTH COOP INS	KANSAS	2	0.0	1.8	73	0	0	0	0	0	0	0	0	0	0	0	0	0	73
OTH COOP INS	MICHIGAN	13	4.4	8.5	590	0	153	0	0	0	0	0	0	0	0	0	153	13	757
OTH COOP INS	MINNESOTA	11	1.3	6.3	471	0	0	0	0	0	0	0	0	0	0	0	0	59	630
OTH COOP INS	MISSOURI	7	1.1	5.2	162	93	0	0	0	0	0	0	0	0	0	0	0	18	273
OTH COOP INS	N DAKOTA	2	1.2	1.4	82	0	0	0	0	0	0	0	0	0	0	0	0	0	82
OTH COOP INS	NEBRASKA	6	0.7	3.6	299	0	0	0	0	0	0	0	0	0	0	0	0	0	299
OTH COOP INS	OHIO	9	4.3	8.5	594	310	8	0	0	0	0	0	0	0	0	0	8	783	1875
OTH COOP INS	S DAKOTA	1	0.7	0.1	49	0	0	0	0	0	0	0	0	0	0	0	0	0	49
OTH COOP INS	WISCONSIN	16	2.7	5.1	419	0	26	0	0	0	0	0	0	0	0	37	83	0	482
SUBTOTAL - OCI		90		58.5		403		0		0		0		0		37		1050	
			19.2		3850		187		0		302		0		0		526		5630
TOTAL		4543		8696.1		13571		1788		1072		1851		727		6231		297307	
			1880.3		69788		4180		7660		12100		5744		153		41587		422253

SAES REGION 4 WESTERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-F FY 1988 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES -- IN THOUSANDS OF DOLLARS

STATION	NO OF PROJ	STAFF		CSRS ADM	USOA CGCA	NSF	DOE	AID	ODD	NIH	PHS	HHS	NASA	TVA	OTH -ER	TOTAL OTHER FED	TOTAL NON-FED	TOTAL
		SUPPORT	YRS OTHER															
ALASKA FAIRBANKS	23	11.2	23.2	1183	0	0	0	0	0	0	0	0	0	0	0	0	2471	3654
ARIZONA TUCSON	261	138.1	382.4	2831	888	8	0	107	20	57	1	87	0	227	870	1379	17216	22093
CALIFORNIA BERKELEY	1188	551.6	1853.2	10071	1341	3728	532	252	137	40	7888	5	544	0	1557	14484	100570	126567
COLORADO FT COLLINS	185	186.4	1232.7	2801	1860	3212	152	1088	170	0	0	1037	191	0	813	6675	12528	23864
GUAM AGANA	31	11.6	41.2	974	0	0	0	0	0	0	0	0	0	0	0	0	523	1488
HAWAII HONOLULU	251	91.0	172.7	3139	486	208	0	1895	0	44	0	0	0	0	92	2239	8820	15686
IDAHO MOSCOW	121	84.1	147.1	1900	27	71	1	0	0	0	0	0	0	11	56	139	10264	12329
MONTANA BOZEMAN	133	74.1	227.8	1863	448	236	0	338	0	0	133	0	1	11	295	1014	8643	12068
NEVADA RENO	125	34.0	59.3	1278	11	168	34	0	0	27	76	0	0	0	136	441	4368	6099
NEW MEXICO UNIV PARK	149	68.4	147.6	1974	740	0	34	0	0	0	0	0	0	0	237	271	7585	10571
N MARIANAS SAIPAN	2	1.5	43.1	312	0	0	0	0	0	0	0	0	0	0	0	0	22	334
OREGON CORVALLIS	312	158.0	409.7	3548	1133	488	525	373	0	0	1358	0	0	0	1329	4054	20150	28884
AMERICAN SAMOA PAGO PAGO	3	1.8	10.4	290	0	0	0	0	0	0	0	0	0	0	0	0	0	290
UTAH LOGAN	225	79.3	129.5	2079	588	281	8	832	802	308	0	0	151	5	35	2232	7778	12679
WASHINGTON PULLMAN	258	116.7	388.1	3725	1223	832	168	53	4	0	134	131	65	21	628	2035	18897	25880
WYOMING LARAMIE	79	48.2	67.7	1641	0	205	152	0	0	222	0	0	0	0	40	625	3894	6160
SUBTOTAL - SAES	3308	1866.0	4325.7	39508	8525	8428	1605	4750	1134	689	8392	1261	952	282	6089	35590	224830	308453
FORESTRY SCH FLAGSTAFF	24	6.6	20.6	114	180	1	0	0	0	0	0	0	4	0	20	25	396	715
FORESTRY SCH S L OBISPO	1	33.0	16.0	26	37	231	0	0	0	0	0	0	148	0	91	470	712	1245
FORESTRY SCH ARCATA	10	0.7	2.0	71	0	0	0	0	0	0	0	0	0	0	0	0	105	176
FORESTRY SCH MOSCOW	89	22.8	41.1	379	128	0	156	1	6	0	0	0	0	0	259	422	2884	3813
FORESTRY SCH MISSOULA	57	17.2	41.9	329	255	0	0	0	0	0	0	174	0	0	0	174	873	1631
FORESTRY SCH CORVALLIS	88	53.4	141.1	1304	1099	826	0	0	0	0	0	0	0	0	518	1344	4315	8061
FORESTRY SCH SEATTLE	86	23.8	48.9	494	567	398	387	0	1	0	0	0	61	0	573	1419	2875	5356
SUBTOTAL - FRSTY SCH	335	157.5	311.6	2717	2266	1455	543	1	7	0	0	0	387	0	1461	3854	12180	20997
SCH VET MED CALIFORNIA	48	44.1	180.6	179	235	0	2187	313	0	5670	216	0	0	0	355	8742	3353	12508
SCH VET MED COLORADO	10	81.2	166.0	536	147	110	277	167	315	5355	682	1303	18	0	352	8578	4472	13734
SCH VET MED OREGON	25	3.9	10.8	185	60	0	0	0	0	108	0	0	0	0	136	244	532	1021
SCH VET MED WASHINGTON	30	74.8	84.2	242	24	0	0	175	0	0	878	0	0	0	0	1053	4364	5683
SUBTOTAL - VET MED	113	204.0	431.6	1142	466	110	2464	655	315	11133	1776	1303	18	0	843	18617	12721	32945
OTH COOP INS ARIZONA	1	0.0	0.5	39	3	0	0	0	0	2	0	0	0	0	0	2	16	60
OTH COOP INS CALIFORNIA	19	3.8	7.1	1123	0	90	0	0	0	0	0	0	0	0	35	126	55	1303
OTH COOP INS COLORADO	5	1.5	2.0	229	0	0	0	0	0	0	0	0	0	0	10	10	47	285
OTH COOP INS IDAHO	2	0.3	2.5	170	0	0	0	0	0	0	0	0	0	0	0	0	15	185
OTH COOP INS MONTANA	2	0.3	1.4	238	0	0	0	0	0	0	0	0	0	0	11	11	0	249
OTH COOP INS NEW MEXICO	3	0.5	2.5	134	0	0	330	0	0	0	0	0	0	0	0	230	0	464
OTH COOP INS OREGON	2	0.5	1.0	82	0	0	0	0	0	0	0	0	0	0	0	0	0	82
OTH COOP INS UTAH	4	0.7	3.4	389	0	0	0	0	0	0	0	0	0	0	20	20	17	426
OTH COOP INS WASHINGTON	15	6.8	7.5	783	0	0	0	0	0	0	0	0	0	0	0	0	84	867
SUBTOTAL - OCI	53	14.2	27.9	3187	3	90	330	0	0	2	0	0	0	0	76	489	233	3922
TOTAL	3807	2041.7	5096.8	46554	11280	11083	4941	5405	1455	11835	11167	2564	1358	282	8469	58559	249944	366317
GRAND TOTAL	16198	7788.2	28227.9	247821	42160	21281	8399	21810	4705	42720	16494	8448	2344	780	26540	153521	1098334	1541836

NATIONAL TOTAL SAES - OTHER INSTITUTIONS

TABLE IV-G SUMMARY BY ORGANIZATION OF 1988 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

ORGANIZATION	ND OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SAES	14401	6824.0	23595.4	147384	12588	23189	19272	0	3818	0	206251	37328	114956	769951	77830	91180	78728	1374226
1890/TUSKEGEE	209	169.0	426.3	0	0	127	0	21906	0	0	22033	58	307	406	163	2	13	22982
FORESTRY SCHOOLS	601	258.8	647.6	0	3597	555	659	0	0	0	4811	3024	5004	21655	604	3349	3698	42145
VETERINARY SCHOOLS	744	480.0	1395.0	0	0	1442	800	0	1249	0	3291	1291	31880	30333	6244	4483	10024	87546
OTHER NON-FEDERAL	243	57.4	163.6	0	0	423	9219	0	0	1793	11436	457	1376	1015	0	50	604	14936
TOTAL SAES - OTHER INSTITUTIONS	16198	7789.2	26227.9	147384	16185	25736	28750	21906	5067	1793	247821	42160	153521	823360	84841	99064	91068	1541836

TABLE V-C NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	323.2	43.2	2.7	369.1	789.2	13.8	28.1	17.9	2.5	851.7	1220.9
RPG 2.00: FOREST RESOURCES	26.3	0.0	730.5	756.9	472.0	0.9	216.9	0.0	9.3	899.1	1456.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1586.5	1.3	0.8	1588.5	2751.9	55.8	4.5	0.0	19.1	2831.5	4420.0
RPG 4.00: ANIMALS	543.2	1.8	0.0	544.8	1438.5	38.7	0.6	452.2	15.3	1945.3	2490.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	28.4	39.6	1.0	69.1	338.5	32.7	3.6	5.1	0.7	380.8	450.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	9.3	293.3	0.1	302.8	399.4	9.6	0.2	1.0	0.8	411.2	714.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	97.3	0.0	0.0	97.3	312.6	0.9	4.6	3.2	6.1	327.6	425.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	199.2	4.9	0.0	204.1	321.5	18.2	0.0	0.4	3.5	341.7	545.9
RPG 9.00: UNCLASSIFIED	3.8	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8
GRAND TOTAL	2817.7	384.1	735.1	3936.9	6824.0	169.0	258.8	480.0	57.4	7789.2	11726.1

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.8	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8
RPG 4.00: ANIMALS	7.5	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	7.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
GRAND TOTAL	12.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 1

NORTHEAST REGION

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	88.8	43.2	0.0	112.0	118.4	1.7	11.6	4.1	1.5	138.4	250.4
RPG 2.00: FOREST RESOURCES	12.7	0.0	82.4	95.2	75.1	0.0	43.7	0.0	0.9	119.7	214.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	318.8	1.3	0.0	320.1	310.7	6.2	1.7	0.0	2.4	321.0	641.2
RPG 4.00: ANIMALS	204.4	1.6	0.0	206.0	180.0	1.0	0.0	74.5	4.3	259.8	465.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	6.9	38.6	0.0	46.5	79.9	2.5	1.2	4.7	0.0	88.5	135.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	2.2	293.3	0.1	295.7	54.4	0.4	0.2	0.0	0.0	55.0	350.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	44.9	0.0	0.0	44.9	66.4	0.0	3.8	1.7	2.3	74.3	119.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	91.6	4.8	0.0	96.5	86.3	0.4	0.0	0.2	1.5	88.5	185.0
RPG 9.00: UNCLASSIFIED	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
GRAND TOTAL	751.4	384.1	82.6	1218.1	972.6	12.3	62.5	85.4	12.9	1145.7	2363.6

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 2

SOUTHERN REGION

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	112.9	0.0	2.7	115.7	230.0	12.1	1.4	8.5	0.0	252.2	367.9
RPG 2.00: FOREST RESOURCES	6.1	0.0	168.2	174.4	198.1	0.9	15.8	0.0	0.8	215.7	390.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	547.7	0.0	0.4	548.1	1129.7	45.7	0.0	0.0	4.4	1179.9	1728.0
RPG 4.00: ANIMALS	119.2	0.0	0.0	119.2	521.4	35.9	0.0	93.9	3.6	654.9	774.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	21.0	0.0	0.0	21.0	72.7	29.8	0.8	0.1	0.0	103.5	124.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.9	0.0	0.0	1.9	143.8	9.2	0.0	0.0	0.5	153.6	155.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	11.5	0.0	0.0	11.5	83.2	0.9	0.0	1.4	0.9	86.5	98.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	37.9	0.0	0.0	37.9	63.9	10.0	0.0	0.0	0.8	74.8	112.8
RPG 9.00: UNCLASSIFIED	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
GRAND TOTAL	881.6	0.0	171.4	1033.0	2443.3	144.8	18.2	104.1	11.1	2721.5	3754.5

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
NORTH CENTRAL REGION											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	48.0	0.0	0.0	48.0	199.2	0.0	0.4	0.1	0.0	199.7	247.8
RPG 2.00: FOREST RESOURCES	5.4	0.0	175.8	181.3	113.3	0.0	19.9	0.0	3.9	137.2	318.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	332.1	0.0	0.2	332.3	643.7	3.9	0.2	0.0	8.4	656.3	988.6
RPG 4.00: ANIMALS	158.2	0.0	0.0	158.2	403.1	1.8	0.0	86.0	4.1	495.0	653.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.5	0.0	1.0	1.5	86.6	0.4	0.0	0.2	0.7	88.0	89.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	4.0	0.0	0.0	4.0	128.0	0.0	0.0	0.1	0.3	128.4	132.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	26.2	0.0	0.0	26.2	82.0	0.0	0.0	0.1	1.3	83.4	109.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	35.8	0.0	0.0	35.8	85.7	6.6	0.0	0.0	0.5	91.8	127.7
GRAND TOTAL	610.6	0.0	177.1	787.7	1742.1	11.9	20.6	86.5	19.2	1880.3	2668.0

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
WESTERN REGION											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	93.3	0.0	0.0	93.3	240.4	0.0	14.5	5.2	1.0	261.2	354.6
RPG 2.00: FOREST RESOURCES	0.5	0.0	303.9	304.4	85.3	0.0	137.3	0.0	3.7	226.4	530.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	386.0	0.0	0.0	386.1	667.6	0.0	2.5	0.0	3.8	674.0	1060.2
RPG 4.00: ANIMALS	53.7	0.0	0.0	53.7	333.9	0.0	0.6	197.7	3.3	535.5	589.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	99.0	0.0	1.5	0.0	0.0	100.6	100.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.2	0.0	0.0	0.2	73.1	0.0	0.0	0.9	0.0	74.0	74.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	14.3	0.0	0.0	14.3	80.8	0.0	0.8	0.0	1.6	83.2	97.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	33.8	0.0	0.0	33.8	85.5	0.0	0.0	0.2	0.7	86.4	120.2
GRAND TOTAL	582.1	0.0	304.0	886.1	1666.0	0.0	157.5	204.0	14.2	2041.7	2927.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

FRANCE

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
RPG 4.00: ANIMALS	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
GRAND TOTAL	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

ITALY

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

MEXICO

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 4.00: ANIMALS	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
GRAND TOTAL	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

NETHERLANDS

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

FOREIGN

SOUTH KOREA

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
RPG 4.00: ANIMALS	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 1 CONNECTICUT											
	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	CONN N HAV	CONN STORRS	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	5.8	2.3	0.0	0.0	0.0	8.1	8.1
RPG 2.00: FOREST RESOURCES	0.0	0.0	9.8	9.8	5.5	0.7	0.0	0.0	0.5	6.9	16.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	22.1	5.0	0.0	0.0	0.1	27.3	27.3
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	0.8	7.7	0.0	0.0	0.5	8.9	8.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.4	1.8	0.0	0.0	0.0	5.2	5.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	2.1	2.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	2.0	2.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.0	1.9	0.0	0.0	0.0	2.9	2.9
GRAND TOTAL	0.0	0.0	9.8	9.8	39.7	22.7	0.0	0.0	1.2	63.6	73.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 1 DELAWARE											
	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	4.6	1.7	0.0	0.0	0.0	6.3	6.3
RPG 2.00: FOREST RESOURCES	1.5	0.0	0.0	1.5	1.0	0.0	0.0	0.0	0.0	1.0	2.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	2.5	0.0	0.0	2.5	11.9	3.0	0.0	0.0	0.0	14.9	17.4
RPG 4.00: ANIMALS	6.1	0.0	0.0	6.1	10.2	0.0	0.0	0.0	0.0	10.2	16.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	2.0	2.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL	10.2	0.0	0.0	10.2	31.6	5.7	0.0	0.0	0.0	37.3	47.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 1 DISTRICT OF COLUMBIA											
	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	43.2	0.0	43.2	1.0	0.0	0.0	0.0	0.0	1.0	44.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	7.2	1.3	0.0	8.5	1.1	0.0	0.0	0.0	0.0	1.1	9.6
RPG 4.00: ANIMALS	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	39.6	0.0	39.6	1.0	0.0	0.0	0.0	0.0	1.0	40.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	293.3	0.0	293.3	0.0	0.0	0.0	0.0	0.0	0.0	293.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	4.9	0.0	4.9	1.0	0.0	0.0	0.0	0.0	1.0	5.9
GRAND TOTAL	7.2	384.1	0.0	391.3	4.1	0.0	0.0	0.0	0.0	4.1	395.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 1

MAINE

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	6.5	6.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	6.5	6.5	18.6	0.0	0.0	0.0	0.0	18.6	25.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.9	0.0	0.0	3.9	12.8	0.0	0.0	0.0	0.0	12.8	16.7
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	9.1	9.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
GRAND TOTAL	3.9	0.0	6.5	10.4	55.6	0.0	0.0	0.0	0.0	55.6	66.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 1

MARYLAND

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	40.2	0.0	0.0	40.2	9.4	0.0	0.0	0.0	0.0	9.4	49.6
RPG 2.00: FOREST RESOURCES	10.4	0.0	0.0	10.4	3.1	0.0	0.0	0.0	0.0	3.1	13.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	223.1	0.0	0.0	223.1	25.4	3.2	0.0	0.0	0.5	29.1	252.2
RPG 4.00: ANIMALS	131.2	0.0	0.0	131.2	21.5	1.0	0.0	0.0	1.1	23.6	154.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	6.9	0.0	0.0	6.9	1.5	1.5	0.0	0.0	0.0	3.0	9.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	2.1	0.0	0.0	2.1	2.8	0.4	0.0	0.0	0.0	3.2	5.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	36.5	0.0	0.0	36.5	1.0	0.0	0.0	0.0	0.3	1.3	37.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	62.6	0.0	0.0	62.6	1.4	0.4	0.0	0.0	0.0	1.9	64.5
RPG 9.00: UNCLASSIFIED	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
GRAND TOTAL	514.1	0.0	0.0	514.1	66.5	6.6	0.0	0.0	1.9	75.0	589.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 1

MASSACHUSETTS

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.7	4.8	4.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	3.2	3.2	3.8	0.0	0.0	0.0	0.0	3.8	7.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	12.6	12.6
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	0.0	10.8	10.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.7	3.0	3.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	2.0	0.0	0.0	2.0	7.4	0.0	0.0	0.0	0.9	8.3	10.3
GRAND TOTAL	2.0	0.0	3.2	5.2	43.7	0.0	0.0	0.0	2.3	46.0	51.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 1 NEW HAMPSHIRE											
	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	13.0	13.0	6.5	0.0	0.0	0.0	0.0	6.5	19.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	6.4	6.4
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	7.2	7.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.2	1.4	1.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL	0.0	0.0	13.0	13.0	27.4	0.0	0.0	0.0	0.2	27.6	40.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 1 NEW JERSEY											
	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	15.9	0.0	0.0	0.0	0.0	15.9	15.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	29.7	0.0	0.0	0.0	0.0	29.7	29.7
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.6	11.6	11.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	5.9	5.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	9.6	9.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	18.7	0.0	0.0	0.0	0.0	18.7	18.7
GRAND TOTAL	0.0	0.0	0.0	0.0	98.5	0.0	0.0	0.0	0.6	99.1	99.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 1 NEW YORK											
	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	NY ITHACA	NY GENEVA	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	2.0	0.0	0.0	2.0	39.9	0.6	11.6	4.0	0.8	56.9	58.9
RPG 2.00: FOREST RESOURCES	0.8	0.0	1.1	1.9	2.5	0.8	40.7	0.0	0.3	44.4	46.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	16.4	0.0	0.0	16.4	61.2	47.8	1.7	0.0	1.8	112.6	128.0
RPG 4.00: ANIMALS	21.2	0.0	0.0	21.2	53.0	1.2	0.0	56.0	1.6	111.9	133.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	40.4	0.1	0.3	4.7	0.0	45.6	45.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	16.9	0.0	0.2	0.0	0.0	16.1	16.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.9	0.0	0.0	1.9	44.8	1.0	3.8	1.7	1.1	52.4	54.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	3.0	0.0	0.0	3.0	31.2	5.8	0.0	0.2	0.0	37.3	40.3
GRAND TOTAL	44.6	0.0	1.1	45.6	289.3	57.4	58.5	66.8	5.6	477.6	523.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 1

RESEARCH PROGRAM GROUP SUMMARY

PENNSYLVANIA

	ARS/HNIS /DICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	19.2	0.0	0.0	19.2	14.1	0.0	0.0	0.1	0.0	14.2	33.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	13.7	13.7	13.6	0.0	0.0	0.0	0.0	13.6	27.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	40.2	0.0	0.0	40.2	47.2	0.0	0.0	0.0	0.0	47.2	87.4
RPG 4.00: ANIMALS	45.8	0.0	0.0	45.8	29.7	0.0	0.0	18.4	0.3	48.4	94.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0	11.9	11.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.1	0.0	0.0	0.1	19.6	0.0	0.0	0.0	0.0	19.6	19.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	6.3	0.0	0.0	6.3	1.2	0.0	0.0	0.0	0.0	1.2	7.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	23.9	0.0	0.0	23.9	8.7	0.0	0.0	0.0	0.6	9.3	33.2
GRAND TOTAL	135.7	0.0	13.7	149.4	146.3	0.0	0.0	18.6	0.9	165.8	315.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 1

RESEARCH PROGRAM GROUP SUMMARY

RHODE ISLAND

	ARS/HNIS /DICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	6.1	6.1
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
GRAND TOTAL	0.0	0.0	0.0	0.0	25.9	0.0	0.0	0.0	0.0	25.9	25.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 1

RESEARCH PROGRAM GROUP SUMMARY

VERMONT

	ARS/HNIS /DICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	11.4	11.4	3.0	0.0	3.0	0.0	0.0	6.0	17.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	6.9	6.9
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.2	5.1	5.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.9	0.0	0.9	0.0	0.0	2.8	2.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.1	0.1	1.3	0.0	0.0	0.0	0.0	1.3	1.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
GRAND TOTAL	0.0	0.0	11.6	11.6	22.3	0.0	4.0	0.0	0.2	26.5	38.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

	REGION 1										
	WEST VIRGINIA										
	-----+ ARS/HNIS /DICO	USDA ERS/ ACS	-----+ FS	USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.2	0.0	0.0	7.2	6.0	0.0	0.0	0.0	0.0	6.0	13.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	23.7	23.7	10.3	0.0	0.0	0.0	0.0	10.3	34.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	26.4	0.0	0.0	26.4	13.9	0.0	0.0	0.0	0.0	13.9	40.3
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	7.8	7.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	33.8	0.0	23.7	57.5	41.6	0.0	0.0	0.0	0.0	41.6	99.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
ALABAMA											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	ALABAM TUSKEG	OTHER INSTITUTIONS ALABAM NORMAL	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.9	0.0	0.0	7.9	13.6	0.2	0.9	0.0	0.0	14.7	22.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	7.0	7.0	18.2	0.0	0.5	0.0	0.0	18.7	25.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.0	0.0	0.0	3.0	30.4	4.6	5.5	0.0	0.0	40.6	43.7
RPG 4.00: ANIMALS	6.0	0.0	0.0	6.0	31.7	3.6	0.7	10.4	0.2	46.6	52.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.6	0.6	2.1	0.0	0.0	7.3	7.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	6.7	0.0	1.4	0.0	0.0	8.1	8.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.6	0.0	0.2	0.0	0.0	2.8	2.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	4.3	0.7	0.6	0.0	0.0	5.6	5.6
GRAND TOTAL	17.0	0.0	7.0	24.0	112.4	9.8	12.0	10.4	0.2	144.8	158.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
ARKANSAS											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	10.5	10.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	6.4	6.4	11.1	0.0	0.0	0.0	0.0	11.1	17.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	6.2	0.0	0.0	6.2	46.2	2.6	0.0	0.0	0.0	48.9	55.1
RPG 4.00: ANIMALS	0.7	0.0	0.0	0.7	21.2	4.6	0.0	0.0	0.0	25.9	26.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.8	0.8	0.0	0.0	0.0	5.6	5.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0	9.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.5	0.1	0.0	0.0	0.0	1.7	1.7
GRAND TOTAL	7.0	0.0	6.4	13.4	109.0	8.3	0.0	0.0	0.0	117.3	130.7

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
FLORIDA											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	6.4	0.0	0.0	6.4	42.6	4.0	0.0	0.5	0.0	47.1	53.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	9.2	9.2	29.3	0.0	0.0	0.0	0.0	29.3	38.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	82.2	0.0	0.0	82.2	221.8	1.7	0.0	0.0	0.7	224.3	306.5
RPG 4.00: ANIMALS	11.9	0.0	0.0	11.9	64.2	2.0	0.0	16.6	0.2	83.1	95.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	20.0	0.0	0.0	20.0	6.6	0.5	0.0	0.0	0.0	7.1	27.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	19.1	0.0	0.0	0.0	0.0	19.1	19.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.2	0.0	0.0	1.2	10.4	0.0	0.0	0.0	0.0	10.4	11.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	13.2	0.2	0.0	0.0	0.0	13.5	13.5
GRAND TOTAL	121.9	0.0	9.2	131.1	407.5	8.6	0.0	17.1	0.9	434.1	565.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
GEORGIA											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	14.1	0.0	1.9	16.0	10.6	0.3	0.0	2.6	0.0	13.5	29.6
RPG 2.00: FOREST RESOURCES	0.6	0.0	38.3	39.0	14.7	0.0	0.0	0.0	0.0	14.7	53.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	96.8	0.0	0.0	96.8	91.2	5.2	0.0	0.0	1.0	97.4	194.2
RPG 4.00: ANIMALS	32.1	0.0	0.0	32.1	30.5	2.3	0.0	29.9	0.0	62.8	94.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.0	1.2	0.0	0.1	0.0	5.4	5.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	13.7	1.5	0.0	0.0	0.0	15.3	15.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.2	0.0	0.0	2.2	1.4	0.0	0.0	1.4	0.0	2.9	5.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	23.4	0.0	0.0	23.4	9.8	1.0	0.0	0.0	0.0	10.9	34.3
GRAND TOTAL	169.5	0.0	40.3	209.8	176.3	11.6	0.0	34.2	1.0	223.1	432.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
KENTUCKY											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	7.9	1.1	0.0	0.0	0.0	9.0	9.0
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.4	4.4	9.0	0.4	0.0	0.0	0.0	9.4	13.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	7.0	0.0	0.0	7.0	52.8	2.5	0.0	0.0	0.0	55.3	62.3
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	32.5	1.1	0.0	0.0	0.0	33.6	33.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	7.5	3.8	0.0	0.0	0.0	11.4	11.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	10.6	0.3	0.0	0.0	0.0	10.9	10.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.8	0.1	0.0	0.0	0.0	4.9	4.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.0	2.8	2.8
GRAND TOTAL	7.0	0.0	4.4	11.4	127.5	10.2	0.0	0.0	0.0	137.7	149.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
LOUISIANA											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.6	0.0	0.7	8.4	14.2	0.0	0.0	0.6	0.0	14.9	23.3
RPG 2.00: FOREST RESOURCES	1.7	0.0	23.3	25.0	11.6	0.0	2.7	0.0	0.1	14.3	39.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	89.2	0.0	0.4	89.6	110.6	1.1	0.0	0.0	0.4	112.1	201.8
RPG 4.00: ANIMALS	11.6	0.0	0.0	11.6	56.4	2.4	0.0	12.3	0.3	71.4	83.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	9.7	0.6	0.0	0.0	0.0	10.3	10.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	9.8	1.2	0.0	0.0	0.0	10.8	10.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.5	0.0	0.0	2.5	4.3	0.0	0.0	0.0	0.0	4.3	6.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	10.9	0.0	0.0	10.9	2.8	0.9	0.0	0.0	0.0	3.7	14.6
RPG 9.00: UNCLASSIFIED	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
GRAND TOTAL	126.7	0.0	24.5	151.2	219.7	6.2	2.7	13.0	0.8	242.4	393.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
MISSISSIPPI											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	21.2	0.0	0.0	21.2	16.7	0.4	0.0	0.0	0.0	17.1	38.3
RPG 2.00: FOREST RESOURCES	3.3	0.0	33.2	36.5	40.1	0.0	0.0	0.0	0.0	40.1	76.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	80.0	0.0	0.0	80.0	77.9	1.9	0.0	0.0	0.0	79.8	159.8
RPG 4.00: ANIMALS	6.8	0.0	0.0	6.8	57.4	1.8	0.0	0.0	0.0	59.2	66.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.9	2.0	0.0	0.0	0.0	5.0	5.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	11.7	0.2	0.0	0.0	0.0	12.0	12.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.8	0.4	0.0	0.0	0.0	3.2	3.2
GRAND TOTAL	111.5	0.0	33.2	144.7	209.8	6.9	0.0	0.0	0.0	216.7	361.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
NORTH CAROLINA											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	5.0	0.0	0.0	5.0	20.4	0.7	0.0	0.0	0.0	21.1	26.1
RPG 2.00: FOREST RESOURCES	0.0	0.0	29.6	29.6	26.7	0.0	0.0	0.0	0.0	26.7	56.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	35.1	0.0	0.0	35.1	95.2	2.1	0.0	0.0	0.0	97.3	132.5
RPG 4.00: ANIMALS	0.6	0.0	0.0	0.6	52.6	1.6	0.0	0.0	1.8	56.1	56.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.8	3.1	0.0	0.0	0.0	10.0	10.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	15.9	1.7	0.0	0.0	0.0	17.6	17.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	3.4	0.0	0.0	3.4	14.8	0.0	0.0	0.0	0.0	14.8	18.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	7.0	1.9	0.0	0.0	0.0	8.9	8.9
GRAND TOTAL	44.2	0.0	29.6	73.8	239.9	11.3	0.0	0.0	1.8	253.0	326.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
OKLAHOMA											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	16.3	0.0	0.0	16.3	12.2	0.3	0.0	0.0	0.0	12.6	28.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	5.9	5.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	22.9	0.0	0.0	22.9	46.7	3.1	0.0	0.0	0.2	50.1	73.0
RPG 4.00: ANIMALS	9.9	0.0	0.0	9.9	27.4	3.7	0.0	0.0	0.0	31.2	41.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	12.5	12.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
GRAND TOTAL	49.2	0.0	0.0	49.2	114.8	7.3	0.0	0.0	0.2	122.3	171.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
PUERTO RICO											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	2.2	0.0	0.0	2.2	1.3	0.0	0.0	0.0	0.0	1.3	3.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	4.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	4.6	0.0	0.0	4.6	45.8	0.0	0.0	0.0	0.0	45.8	50.4
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
GRAND TOTAL	6.8	0.0	4.7	11.5	58.6	0.0	0.0	0.0	0.0	58.6	70.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
SOUTH CAROLINA											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	4.7	0.0	0.0	4.7	5.5	0.5	0.9	0.0	0.0	7.0	11.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	8.1	8.1	0.3	0.0	9.9	0.0	0.5	10.8	18.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	26.1	0.0	0.0	26.1	54.4	0.0	0.0	0.0	0.0	54.4	80.6
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	20.2	0.0	0.0	0.0	0.0	20.2	20.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.9	5.2	0.8	0.0	0.0	8.9	8.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.6	0.0	0.0	0.6	5.5	1.0	0.0	0.0	0.0	6.5	7.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	3.1	0.6	0.0	0.0	0.0	3.7	3.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
GRAND TOTAL	31.6	0.0	8.1	39.7	94.8	7.3	11.8	0.0	0.6	114.5	154.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
TENNESSEE											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	10.8	0.6	0.0	0.0	0.0	11.4	11.4
RPG 2.00: FOREST RESOURCES	0.0	0.0	2.7	2.7	8.1	0.0	0.0	0.0	0.1	8.2	10.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.0	0.0	0.0	1.0	52.4	4.6	0.0	0.0	0.5	57.5	58.5
RPG 4.00: ANIMALS	1.0	0.0	0.0	1.0	24.2	1.1	0.0	0.0	0.1	25.5	26.5
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.7	4.8	0.0	0.0	0.0	7.6	7.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	5.8	0.8	0.0	0.0	0.0	7.7	7.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	0.6	0.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	4.9	0.7	0.0	0.0	0.0	5.7	5.7
GRAND TOTAL	2.0	0.0	2.7	4.7	110.8	12.8	0.0	0.0	0.8	124.5	129.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
TEXAS											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER FRSTRY SCH	INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	27.2	0.0	0.0	27.2	38.7	0.8	0.5	4.7	0.0	44.8	72.0
RPG 2.00: FOREST RESOURCES	0.4	0.0	1.3	1.7	7.2	0.0	3.1	0.0	0.0	10.4	12.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	88.9	0.0	0.0	88.9	145.0	2.6	0.0	0.0	0.9	148.5	237.4
RPG 4.00: ANIMALS	38.4	0.0	0.0	38.4	57.0	8.7	0.0	24.6	1.0	91.4	129.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	1.0	0.0	0.0	1.0	5.3	3.2	0.0	0.0	0.0	8.6	9.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.2	0.0	0.0	1.2	13.9	1.0	0.0	0.0	0.3	15.2	16.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.1	0.0	0.0	2.1	15.7	0.0	0.0	0.0	0.8	16.5	18.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	3.5	0.0	0.0	3.5	4.2	0.7	0.0	0.0	0.1	5.1	8.6
GRAND TOTAL	182.9	0.0	1.3	184.2	287.4	17.2	3.7	29.4	3.2	340.9	505.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
VIRGIN ISLANDS											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER FRSTRY SCH	INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.2	0.0	0.0	0.2	3.1	0.0	0.0	0.0	0.0	3.1	3.3
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL	0.2	0.0	0.0	0.2	5.4	0.0	0.0	0.0	0.0	5.4	5.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
VIRGINIA											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER FRSTRY SCH	INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	24.3	2.2	0.0	0.0	0.0	26.5	26.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	15.5	0.0	0.0	0.0	0.0	15.5	15.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.9	0.0	0.0	3.9	55.6	7.8	0.0	0.0	0.7	64.1	68.1
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	40.3	2.0	0.0	0.0	0.0	42.3	42.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	8.4	1.4	0.0	0.0	0.0	9.9	9.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.2	6.5	6.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	16.5	0.0	0.0	0.0	0.0	16.5	16.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.1	0.0	0.0	0.1	2.1	1.7	0.0	0.0	0.7	4.6	4.7
GRAND TOTAL	4.1	0.0	0.0	4.1	169.4	15.2	0.0	0.0	1.6	186.2	190.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 3 ILLINOIS											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.5	0.0	0.0	0.5	16.8	0.0	0.2	0.0	0.0	17.0	17.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	11.2	11.2	11.9	0.0	5.2	0.0	0.1	17.2	28.4
RPG 3.00: CRDPS (FIELD & HORTICULTURAL)	124.3	0.0	0.0	124.3	52.6	0.0	0.0	0.0	0.2	62.8	187.2
RPG 4.00: ANIMALS	2.3	0.0	0.0	2.3	34.6	0.0	0.0	0.0	0.4	35.0	37.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	6.7	6.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.9	0.0	0.0	0.9	15.6	0.0	0.0	0.0	0.0	15.6	16.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	17.6	0.0	0.0	17.6	7.8	0.0	0.0	0.0	0.3	8.1	25.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	18.0	0.0	0.0	18.0	8.7	0.0	0.0	0.0	0.0	8.7	26.7
GRAND TOTAL	163.8	0.0	11.2	175.0	185.0	0.0	5.5	0.0	1.0	171.5	346.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 3 INDIANA											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	6.6	0.0	0.0	6.6	13.9	0.0	0.0	0.0	0.0	13.9	20.5
RPG 2.00: FOREST RESOURCES	0.1	0.0	0.0	0.1	11.5	0.0	0.0	0.0	0.0	11.5	11.7
RPG 3.00: CRDPS (FIELD & HORTICULTURAL)	10.5	0.0	0.0	10.5	52.1	0.0	0.0	0.0	1.1	53.2	63.7
RPG 4.00: ANIMALS	0.8	0.0	0.0	0.8	33.1	0.0	0.0	0.0	0.0	33.1	33.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0	6.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	11.6	0.0	0.0	0.0	0.0	11.6	11.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.2	0.0	0.0	0.2	8.6	0.0	0.0	0.0	0.0	8.6	8.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.4	6.5	6.5
GRAND TOTAL	18.3	0.0	0.0	18.3	143.4	0.0	0.0	0.0	1.5	144.9	163.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 3 IOWA											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	3.4	0.0	0.0	3.4	13.1	0.0	0.0	0.1	0.0	13.2	16.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	20.5	0.0	0.0	20.5	37.3	0.0	0.0	0.0	0.3	37.6	58.2
RPG 4.00: ANIMALS	64.6	0.0	0.0	64.6	29.5	0.0	0.0	26.0	0.0	55.5	120.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.2	0.0	0.0	0.2	7.6	0.0	0.0	0.0	0.0	7.6	7.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.0	0.0	11.2	11.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.9	0.0	0.0	0.9	7.6	0.0	0.0	0.0	0.0	7.6	8.5
GRAND TOTAL	89.7	0.0	0.0	89.7	113.9	0.0	0.0	26.1	0.3	140.3	230.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 3

KANSAS

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	5.4	0.0	0.0	5.4	14.0	0.0	0.0	0.0	0.0	14.0	19.4
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	22.9	0.0	0.0	22.9	103.6	0.0	0.0	0.0	0.0	103.6	126.5
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	46.7	0.0	0.0	0.0	0.0	46.7	46.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	6.6	6.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	2.6	0.0	0.0	2.6	7.1	0.0	0.0	0.0	0.0	7.1	9.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	9.1	9.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
GRAND TOTAL	31.0	0.0	0.0	31.0	193.2	0.0	0.0	0.0	0.0	193.2	224.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 3

MICHIGAN

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	MICH A ARB	OTHER INSTITUTIONS MICH HOUGHT	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	21.6	0.1	0.0	0.0	0.0	21.8	21.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	9.4	9.4	13.2	5.0	9.7	0.0	0.6	28.5	37.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	10.2	0.0	0.0	10.2	49.7	0.2	0.0	0.0	2.6	52.5	62.7
RPG 4.00: ANIMALS	14.3	0.0	0.0	14.3	24.2	0.0	0.0	0.0	1.2	25.4	39.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	9.6	9.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	18.0	18.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.1	0.0	0.0	0.1	9.6	0.0	0.0	0.0	0.0	9.6	9.7
GRAND TOTAL	24.6	0.0	9.4	34.0	152.1	5.4	9.7	0.0	4.4	171.6	205.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 3

MINNESOTA

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	10.3	0.0	0.0	10.3	23.6	0.0	0.0	0.0	0.0	23.6	33.8
RPG 2.00: FOREST RESOURCES	1.3	0.0	33.4	34.7	24.1	0.0	0.0	0.0	0.2	24.3	59.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	33.3	0.0	0.0	33.3	62.7	0.0	0.0	0.0	0.1	62.8	86.1
RPG 4.00: ANIMALS	1.0	0.0	0.0	1.0	36.6	0.0	0.0	23.8	1.0	61.4	62.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	1.0	1.0	17.7	0.0	0.0	0.0	0.0	17.7	18.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.2	0.0	0.0	0.2	10.0	0.0	0.0	0.0	0.0	10.0	10.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.7	0.0	0.0	0.7	4.2	0.0	0.0	0.0	0.0	4.2	4.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	11.0	11.0
GRAND TOTAL	46.9	0.0	34.4	81.3	180.2	0.0	0.0	23.8	1.3	205.3	288.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
MISSOURI											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	3.6	0.0	0.0	3.6	14.9	0.0	0.0	0.0	0.0	14.9	18.5
RPG 2.00: FOREST RESOURCES	1.0	0.0	3.5	4.5	9.2	0.0	0.0	0.0	0.0	9.2	13.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	14.6	0.0	0.0	14.6	42.7	3.9	0.0	0.0	1.0	47.7	62.4
RPG 4.00: ANIMALS	8.3	0.0	0.0	8.3	35.0	1.8	0.0	22.0	0.1	58.9	67.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.1	0.0	0.0	0.1	3.8	0.4	0.0	0.0	0.0	4.2	4.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.1	0.0	14.0	14.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.6	0.0	0.0	1.6	8.3	0.0	0.0	0.1	0.0	8.4	10.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.6	0.0	0.0	0.6	7.5	5.6	0.0	0.0	0.0	13.2	13.8
GRAND TOTAL	30.1	0.0	3.5	33.6	135.7	11.9	0.0	22.2	1.1	170.9	204.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
NEBRASKA											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	6.9	0.0	0.0	6.9	19.0	0.0	0.0	0.0	0.0	19.0	25.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.3	4.3	4.1	0.0	0.0	0.0	0.0	4.1	8.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	13.6	0.0	0.0	13.6	58.0	0.0	0.0	0.0	0.0	58.0	71.7
RPG 4.00: ANIMALS	41.2	0.0	0.0	41.2	38.0	0.0	0.0	0.0	0.2	38.2	79.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.2	0.0	0.0	0.2	3.7	0.0	0.0	0.0	0.0	3.7	3.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.2	0.0	0.0	0.2	6.3	0.0	0.0	0.0	0.3	6.6	6.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.2	0.0	0.0	1.2	3.7	0.0	0.0	0.0	0.2	3.9	5.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
GRAND TOTAL	63.5	0.0	4.3	67.8	138.4	0.0	0.0	0.0	0.7	139.1	208.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
NORTH DAKOTA											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	5.8	0.0	0.0	5.8	19.8	0.0	0.0	0.0	0.0	19.8	25.6
RPG 2.00: FOREST RESOURCES	1.1	0.0	0.0	1.1	5.4	0.0	0.0	0.0	0.0	5.4	6.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	37.0	0.0	0.0	37.0	61.9	0.0	0.0	0.0	0.2	62.1	99.2
RPG 4.00: ANIMALS	19.8	0.0	0.0	19.8	24.2	0.0	0.0	0.0	1.0	25.2	45.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	7.5	7.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.1	0.0	0.0	0.1	4.2	0.0	0.0	0.0	0.0	4.2	4.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	15.3	0.0	0.0	15.3	0.8	0.0	0.0	0.0	0.0	0.8	16.1
GRAND TOTAL	79.3	0.0	0.0	79.3	129.3	0.0	0.0	0.0	1.2	130.5	209.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
OHIO											
	USDA		FS	USDA TOTAL	OTHER INSTITUTIONS					TOTAL	GRAND TOTAL
	ARS/HNIS /DICO	ERS/ ACS			SAES	OHIO ALLIAN	FRSTRY SCH	VET SCH	OTHR		
RPG 1.00: NATURAL RESOURCES	5.3	0.0	0.0	5.3	18.3	0.0	0.0	0.0	0.0	18.3	23.6
RPG 2.00: FOREST RESOURCES	1.8	0.0	19.8	21.6	12.5	0.0	0.0	0.0	1.3	13.8	35.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	13.4	0.0	0.0	13.4	55.0	0.0	0.0	0.0	2.8	57.8	71.2
RPG 4.00: ANIMALS	0.8	0.0	0.0	0.8	38.8	0.0	0.0	14.2	0.2	53.2	53.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.2	0.0	7.9	7.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	9.7	9.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.7	0.0	0.0	2.7	2.3	0.0	0.0	0.0	0.0	2.3	5.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	0.0	8.1	8.1
GRAND TOTAL	24.0	0.0	19.8	43.8	152.7	0.0	0.0	14.4	4.3	171.4	215.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
SOUTH DAKOTA											
	USDA		FS	USDA TOTAL	OTHER INSTITUTIONS					TOTAL	GRAND TOTAL
	ARS/HNIS /DICO	ERS/ ACS			SAES	1880/ TUSK	FRSTRY SCH	VET SCH	OTHR		
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0	0.0	8.4	8.4
RPG 2.00: FOREST RESOURCES	0.0	0.0	5.7	5.7	2.2	0.0	0.0	0.0	0.0	2.2	7.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	10.7	0.0	0.2	10.9	27.1	0.0	0.0	0.0	0.0	27.1	38.0
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	23.0	23.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.7	2.1	2.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
GRAND TOTAL	10.7	0.0	5.0	15.7	59.3	0.0	0.0	0.0	0.7	70.0	86.7

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
WISCONSIN											
	USDA		FS	USDA TOTAL	OTHER INSTITUTIONS					TOTAL	GRAND TOTAL
	ARS/HNIS /DICO	ERS/ ACS			SAES	1880/ TUSK	FRSTRY SCH	VET SCH	OTHR		
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	15.4	0.0	0.0	0.0	0.0	15.4	15.4
RPG 2.00: FOREST RESOURCES	0.0	0.0	88.4	88.4	12.3	0.0	0.0	0.0	1.7	14.0	102.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	20.8	0.0	0.0	20.8	40.4	0.0	0.0	0.0	0.1	40.5	61.2
RPG 4.00: ANIMALS	5.2	0.0	0.0	5.2	39.1	0.0	0.0	0.0	0.0	39.1	44.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	10.1	10.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	12.6	12.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.0	0.0	0.0	2.0	24.3	0.0	0.0	0.0	0.8	25.1	27.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.8	0.0	0.0	0.8	14.4	0.0	0.0	0.0	0.1	14.5	15.3
GRAND TOTAL	28.7	0.0	88.4	117.1	158.9	0.0	0.0	0.0	2.7	171.6	288.7

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
ALASKA											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	3.7	0.0	0.0	3.7	3.3	0.0	0.0	0.0	0.0	3.3	7.0
RPG 2.00: FOREST RESOURCES	0.0	0.0	33.9	33.9	2.1	0.0	0.0	0.0	0.0	2.1	36.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.6	0.0	0.0	1.6	2.7	0.0	0.0	0.0	0.0	2.7	4.4
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
GRAND TOTAL	5.4	0.0	33.9	39.3	11.2	0.0	0.0	0.0	0.0	11.2	50.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
AMERICAN SAMOA											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
ARIZONA											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	19.8	0.0	0.0	19.8	25.0	0.0	0.0	0.0	0.0	25.0	44.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	16.2	16.2	8.7	0.0	6.6	0.0	0.0	15.3	31.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	46.2	0.0	0.0	46.2	42.1	0.0	0.0	0.0	0.0	42.1	87.3
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	35.3	0.0	0.0	0.0	0.0	35.3	35.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	11.4	11.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0	7.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	4.0	0.0	0.0	4.0	3.2	0.0	0.0	0.0	0.0	3.2	7.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
GRAND TOTAL	69.1	0.0	16.2	85.3	138.1	0.0	6.6	0.0	0.0	144.7	230.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
CALIFORNIA											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	21.4	0.0	0.0	21.4	73.8	0.0	0.0	5.2	0.0	79.0	100.4
RPG 2.00: FOREST RESOURCES	0.0	0.0	63.8	63.8	39.5	0.0	33.6	0.0	0.0	73.2	137.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	139.8	0.0	0.0	139.8	205.9	0.0	0.0	0.0	2.4	208.4	348.2
RPG 4.00: ANIMALS	9.0	0.0	0.0	9.0	95.0	0.0	0.0	38.7	1.2	134.9	143.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0	27.0	27.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.2	0.0	0.0	0.2	20.0	0.0	0.0	0.0	0.0	20.0	20.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	6.8	0.0	0.0	6.8	53.4	0.0	0.0	0.0	0.1	53.5	60.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	33.3	0.0	0.0	33.3	36.6	0.0	0.0	0.2	0.0	36.8	70.1
GRAND TOTAL	210.7	0.0	63.8	274.6	551.6	0.0	33.7	44.1	3.8	633.2	907.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
COLORADO											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	22.9	0.0	0.0	22.9	45.9	0.0	0.0	0.0	1.0	46.9	69.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	19.7	19.7	5.7	0.0	0.0	0.0	0.3	6.0	25.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	32.0	0.0	0.0	32.0	79.3	0.0	0.0	0.0	0.0	79.3	111.3
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	33.5	0.0	0.0	81.2	0.0	114.7	114.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	6.4	6.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.7	0.0	0.0	0.7	3.0	0.0	0.0	0.0	0.0	3.0	3.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0	0.2	8.6	8.6
GRAND TOTAL	55.8	0.0	19.7	75.5	186.4	0.0	0.0	81.2	1.5	269.1	344.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
GUAM											
	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	10.1	10.1
GRAND TOTAL	0.0	0.0	0.0	0.0	11.6	0.0	0.0	0.0	0.0	11.6	11.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
HAWAII											
	ARS/HNIS /DICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0	10.0
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.5	4.5	2.7	0.0	0.0	0.0	0.0	2.7	7.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	15.8	0.0	0.0	15.8	45.1	0.0	0.0	0.0	0.0	45.1	62.9
RPG 4.00: ANIMALS	2.0	0.0	0.0	2.0	11.0	0.0	0.0	0.0	0.0	11.0	13.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	8.9	8.9
GRAND TOTAL	18.8	0.0	4.5	23.3	91.0	0.0	0.0	0.0	0.0	91.0	114.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
IDAHO											
	ARS/HNIS /DICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	13.9	0.0	0.0	13.9	15.8	0.0	3.8	0.0	0.0	19.6	33.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	23.5	23.5	1.9	0.0	15.7	0.0	0.3	17.9	41.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	12.9	0.0	0.0	12.9	42.7	0.0	1.2	0.0	0.0	43.9	56.8
RPG 4.00: ANIMALS	7.3	0.0	0.0	7.3	13.2	0.0	0.6	0.0	0.0	13.8	21.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.3	0.0	1.3	0.0	0.0	7.6	7.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	9.3	9.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
GRAND TOTAL	34.2	0.0	23.5	57.7	94.1	0.0	22.8	0.0	0.3	117.2	174.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
MONTANA											
	ARS/HNIS /DICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.9	0.0	0.0	0.9	6.9	0.0	0.7	0.0	0.0	7.6	8.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	29.1	29.1	1.7	0.0	16.2	0.0	0.3	18.3	47.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	19.1	0.0	0.0	19.1	38.6	0.0	0.2	0.0	0.0	38.8	58.0
RPG 4.00: ANIMALS	7.8	0.0	0.0	7.8	18.0	0.0	0.0	0.0	0.0	18.0	25.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
GRAND TOTAL	27.9	0.0	29.1	57.0	74.1	0.0	17.2	0.0	0.3	91.6	148.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
NEVADA											
	ARS/HNIS /DICO	USDA ERS/ ACS	PS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RPG 2.00: FOREST RESOURCES	0.0	0.0	1.1	1.1	1.5	0.0	0.0	0.0	0.0	1.5	2.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.5	0.0	0.0	3.5	5.4	0.0	0.0	0.0	0.0	5.4	8.9
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	13.4	13.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
GRAND TOTAL	3.5	0.0	1.1	4.6	34.0	0.0	0.0	0.0	0.0	34.0	38.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
NEW MEXICO											
	ARS/HNIS /DICO	USDA ERS/ ACS	PS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	10.5	10.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.4	4.4	4.8	0.0	0.0	0.0	0.0	4.8	9.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	7.9	0.0	0.0	7.9	32.6	0.0	0.0	0.0	0.0	32.6	40.6
RPG 4.00: ANIMALS	0.8	0.0	0.0	0.8	12.8	0.0	0.0	0.0	0.0	12.8	13.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.5	1.6	1.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
GRAND TOTAL	8.8	0.0	4.4	13.2	68.4	0.0	0.0	0.0	0.5	68.9	82.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
NORTHERN MARIANAS											
	ARS/HNIS /DICO	USDA ERS/ ACS	PS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
GRAND TOTAL	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
OREGON											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	OTHER INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	2.9	0.0	0.0	2.9	18.8	0.0	7.1	0.0	0.0	26.0	28.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	89.0	89.0	3.4	0.0	45.4	0.0	0.0	48.9	117.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	34.6	0.0	0.0	34.7	61.3	0.0	0.0	0.0	0.5	61.8	96.5
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	27.2	0.0	0.0	3.9	0.0	31.1	31.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	25.7	0.0	0.2	0.0	0.0	25.9	25.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	6.0	0.0	0.4	0.0	0.0	6.4	6.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	12.2	12.2
GRAND TOTAL	37.6	0.0	89.1	106.7	158.0	0.0	53.4	3.9	0.5	215.8	322.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
UTAH											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	OTHER INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	7.3	7.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	16.5	16.5	4.4	0.0	0.0	0.0	0.0	4.4	20.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	16.8	0.0	0.0	16.8	21.3	0.0	0.0	0.0	0.0	21.3	38.1
RPG 4.00: ANIMALS	10.0	0.0	0.0	10.0	35.7	0.0	0.0	0.0	0.2	35.9	45.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.5	4.1	4.1
GRAND TOTAL	26.8	0.0	16.5	43.3	79.3	0.0	0.0	0.0	0.7	80.0	123.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
WASHINGTON											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	OTHER INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	8.4	0.0	0.0	8.4	10.7	0.0	2.8	0.0	0.0	13.5	19.9
RPG 2.00: FOREST RESOURCES	0.5	0.0	17.1	17.6	6.5	0.0	19.5	0.0	2.8	27.9	45.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	50.5	0.0	0.0	50.5	61.7	0.0	1.0	0.0	0.9	63.6	114.2
RPG 4.00: ANIMALS	8.2	0.0	0.0	8.2	18.0	0.0	0.0	73.9	1.9	93.8	102.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	6.8	6.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.9	0.0	9.2	9.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.7	0.0	0.0	2.7	2.0	0.0	0.3	0.0	1.0	3.3	6.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.5	0.0	0.0	0.5	3.4	0.0	0.0	0.0	0.0	3.4	3.9
GRAND TOTAL	69.0	0.0	17.1	86.1	116.7	0.0	23.8	74.8	6.6	221.9	308.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM GROUP SUMMARY

REGION 4

WYOMING

	-----+ ARS/HNIS /OICD	USDA ERS/ ACS	FS	-----+ USDA TOTAL	-----+ SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	YET SCH	OTHR	-----+ TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	1.1	0.0	0.0	1.1	4.8	0.0	0.0	0.0	0.0	4.8	6.0
RPG 2.00: FOREST RESOURCES	0.0	0.0	5.0	5.0	2.2	0.0	0.0	0.0	0.0	2.2	7.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	4.9	0.0	0.0	4.9	14.8	0.0	0.0	0.0	0.0	14.8	19.7
RPG 4.00: ANIMALS	8.4	0.0	0.0	8.4	17.2	0.0	0.0	0.0	0.0	17.2	25.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
GRAND TOTAL	14.5	0.0	5.0	19.5	48.2	0.0	0.0	0.0	0.0	48.2	67.7

TABLE V-B NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

			+	USDA		+	OTHER INSTITUTIONS			+			
			ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	124.5	23.3	0.0	147.8	272.6	2.7	0.8	0.0	0.0	276.3	424.2
RP	1.02:	WATER & WATERSHEDS	123.6	17.5	0.7	141.8	162.7	2.1	2.0	0.0	1.7	168.7	310.7
RP	1.03:	RECREATION	0.3	0.9	0.0	1.2	20.7	0.0	1.7	0.0	0.0	22.4	23.7
RP	1.04:	ENVIRONMENTAL QUALITY	55.9	0.1	0.0	56.1	175.9	1.9	12.8	15.5	0.8	207.0	263.1
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	4.0	0.0	1.9	5.9	50.5	0.2	2.8	0.0	0.0	53.4	59.4
RP	1.06:	FISH & WILDLIFE	0.0	1.2	0.0	1.3	93.2	6.0	7.3	2.3	0.0	109.0	110.3
RP	1.07:	REMOTE SENSING	14.6	0.0	0.0	14.6	11.2	0.9	0.4	0.0	0.0	12.6	27.2
RP	1.08:	AQUATIC WEEDS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	47.7	47.7	27.8	0.0	22.9	0.0	0.0	50.8	98.6
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	181.8	181.8	132.4	0.9	79.9	0.0	2.5	215.7	397.5
RP	2.03:	FOREST PROTECTION	11.6	0.0	154.8	166.5	74.2	0.0	12.7	0.0	1.1	88.1	254.6
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	150.7	150.7	109.5	0.0	59.9	0.0	4.2	173.6	324.3
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.2	0.0	95.4	95.6	44.5	0.0	21.1	0.0	0.0	85.6	161.3
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	58.7	58.7	30.9	0.0	10.7	0.0	0.0	41.7	100.4
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	19.4	19.4	13.6	0.0	4.9	0.0	0.0	18.6	38.0
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	16.5	16.5	15.2	0.0	2.8	0.0	0.0	18.1	34.6
RP	2.09:	TECHNICAL ASSISTANCE	12.5	0.0	0.0	12.5	16.4	0.0	0.2	0.0	0.0	16.6	29.2
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	1.9	0.0	5.2	7.1	3.7	0.0	0.5	0.0	1.0	5.2	12.3
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	3.4	0.0	0.9	0.0	0.4	4.7	4.7
RP	3.01:	CORN	127.7	0.0	0.0	127.7	186.7	0.7	0.0	0.0	0.7	188.2	315.9
RP	3.02:	GRAIN SORGHUM	14.1	0.0	0.0	14.1	83.6	0.6	0.0	0.0	0.0	84.3	78.4
RP	3.03:	WHEAT	119.5	0.0	0.0	119.5	184.9	0.6	0.0	0.0	0.2	185.8	305.3
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	29.7	0.0	0.0	29.7	78.3	0.4	0.0	0.0	1.0	79.7	109.4
RP	3.05:	RICE	15.8	0.0	0.0	15.8	44.8	0.0	0.0	0.0	0.0	44.8	60.6
RP	3.06:	SOYBEANS	143.8	0.0	0.0	143.8	191.1	16.3	0.0	0.0	2.3	209.8	353.6
RP	3.07:	PEANUTS	31.7	0.0	0.0	31.7	38.0	0.9	0.0	0.0	0.0	38.9	70.7
RP	3.08:	SUGAR	47.7	0.0	0.0	47.7	36.3	0.1	0.0	0.0	0.5	36.9	84.6
RP	3.09:	FORAGE, RANGE, & PASTURE	202.8	0.0	0.6	203.2	327.3	4.4	1.3	0.0	0.7	334.0	537.3
RP	3.10:	COTTON	175.6	0.0	0.0	175.6	108.0	0.0	0.0	0.0	0.0	108.0	283.6
RP	3.11:	TOBACCO	22.7	0.0	0.0	22.7	55.6	0.0	0.0	0.0	0.6	56.2	78.9
RP	3.12:	NEW CROPS & MINOR OILSEEDS	43.2	0.0	0.0	43.2	61.2	1.8	0.3	0.0	0.5	63.9	107.1
RP	3.13:	FRUIT	199.6	0.0	0.0	199.6	402.2	2.1	0.2	0.0	0.0	404.5	604.1
RP	3.14:	VEGETABLE CROPS	162.8	0.0	0.0	162.8	481.6	25.3	0.0	0.0	1.0	508.0	670.6
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	26.9	0.6	0.0	27.6	216.7	2.1	0.2	0.0	0.2	219.2	246.9
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	30.4	0.8	0.0	31.0	11.4	0.0	0.0	0.0	0.0	11.4	42.4
RP	3.17:	WEEDS IN CROPS	17.1	0.0	0.0	17.1	11.8	0.1	0.0	0.0	0.0	11.9	29.1

TABLE V-B NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 3.18: SEEDS	8.3	0.0	0.0	8.3	22.3	0.0	0.0	0.0	0.3	22.6	31.0
RP 3.19: NONSPECIFIC PLANTS	186.7	0.0	0.0	186.7	229.2	0.0	2.4	0.0	11.0	242.7	409.5
RP 4.01: BEEF	143.4	0.3	0.0	143.8	367.3	2.9	0.0	83.7	2.6	456.6	600.4
RP 4.02: DAIRY	108.6	0.6	0.0	107.2	278.3	2.6	0.0	44.9	0.7	327.6	434.9
RP 4.03: POULTRY	78.3	0.0	0.0	78.3	218.5	3.3	0.0	26.5	6.0	252.3	330.7
RP 4.04: SHEEP	36.4	0.2	0.0	36.7	78.3	0.5	0.0	22.6	1.0	102.5	139.3
RP 4.05: SWINE	77.9	0.2	0.0	78.2	151.9	5.3	0.0	28.4	1.0	186.6	264.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	9.6	0.0	0.0	9.6	62.3	17.5	0.0	110.2	0.4	190.5	200.1
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	10.2	0.0	0.0	10.2	84.9	6.1	0.6	8.7	0.0	100.4	110.7
RP 4.08: NONSPECIFIC ANIMALS	8.7	0.0	0.0	8.7	107.3	0.2	0.0	127.8	0.0	235.4	244.1
RP 4.09: INVERTEBRATES	71.8	0.0	0.0	71.8	88.3	0.0	0.0	0.0	4.6	92.9	184.7
RP 5.01: INDIVIDUALS AND FAMILIES	4.1	7.0	0.0	11.1	90.8	11.3	0.4	0.0	0.0	102.5	113.7
RP 5.02: LIVING ENVIRONMENT	0.4	0.0	0.0	0.4	25.7	6.8	0.0	0.0	0.0	32.5	33.0
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	3.9	32.1	0.0	36.1	150.4	14.6	1.8	5.1	0.7	172.7	208.9
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	19.9	0.0	0.0	19.9	39.3	0.0	0.0	0.0	0.0	39.3	59.2
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.5	1.0	1.5	32.1	0.0	1.4	0.0	0.0	33.5	35.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	1.2	61.0	0.0	62.2	169.8	4.3	0.0	0.1	0.5	174.8	237.1
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	2.4	98.0	0.0	100.5	72.4	1.2	0.2	0.9	0.0	74.7	175.3
RP 6.03: MARKETING & COMPETITION	5.6	134.1	0.1	140.0	157.1	4.0	0.0	0.0	0.3	161.5	301.6
RP 7.01: MANMADE RESOURCES	5.6	0.0	0.0	5.6	22.7	0.0	1.8	0.1	0.0	24.6	30.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	91.8	0.0	0.0	91.8	289.9	0.9	2.8	3.1	6.1	302.9	394.8
RP 8.01: HUMAN NUTRITION	104.3	4.4	0.0	108.7	160.8	14.3	0.0	0.0	1.9	177.0	285.8
RP 8.02: FOOD PROCESSING	1.9	0.0	0.0	1.9	46.8	0.7	0.0	0.0	0.0	47.5	49.4
RP 8.03: FOOD SAFETY	90.8	0.5	0.0	91.3	86.7	0.9	0.0	0.4	1.6	98.7	190.0
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	2.2	0.0	0.0	2.2	9.8	0.0	0.0	0.0	0.0	9.8	12.1
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	8.2	0.2	0.0	0.0	0.0	8.4	8.4
RP 9.01: UNCLASSIFIED	3.8	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8
GRAND TOTAL	2817.7	384.1	735.1	3936.9	6624.0	169.0	268.8	480.0	57.4	7789.2	11726.1

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988

FOREIGN

RESEARCH PROGRAM SUMMARY

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 2.03: FOREST PROTECTION	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
RP 2.09: TECHNICAL ASSISTANCE	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP 3.09: FORAGE, RANGE, & PASTURE	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
RP 3.10: COTTON	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 3.13: FRUIT	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 3.14: VEGETABLE CROPS	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 4.01: BEEF	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
RP 4.03: POULTRY	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP 4.08: NONSPECIFIC ANIMALS	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
GRAND TOTAL	12.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1												
NORTHEAST REGION												
		ARS/HNIS /OICD	USDA ERS/ ACS	USDA FS TOTAL	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH			GRAND TOTAL		
								OTHR	TOTAL			
RP	1.01:	SOIL & LAND USE	16.8	23.3	0.0	40.2	32.4	0.0	0.0	0.0	32.4	72.8
RP	1.02:	WATER & WATERSHEDS	15.4	17.5	0.0	32.9	11.1	0.0	0.1	0.0	11.9	44.9
RP	1.03:	RECREATION	0.0	0.9	0.0	0.9	2.0	0.0	0.0	0.0	2.0	3.0
RP	1.04:	ENVIRONMENTAL QUALITY	27.7	0.1	0.0	27.8	42.7	0.0	10.7	3.2	57.4	85.3
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.2	0.0	0.0	0.2	6.0	0.0	0.1	0.0	6.1	6.3
RP	1.06:	FISH & WILDLIFE	0.0	1.2	0.0	1.2	22.1	1.7	0.6	0.9	25.3	26.8
RP	1.07:	REMOTE SENSING	8.5	0.0	0.0	8.5	2.9	0.0	0.0	0.0	2.9	11.4
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	4.1	4.1	5.3	0.0	0.8	0.0	6.1	10.2
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	22.8	22.8	18.0	0.0	8.9	0.0	27.1	50.0
RP	2.03:	FOREST PROTECTION	10.7	0.0	16.6	27.4	18.7	0.0	4.9	0.0	24.4	51.8
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	17.9	17.9	12.7	0.0	21.4	0.0	34.2	52.2
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	12.8	12.8	10.5	0.0	4.6	0.0	15.2	28.1
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.7	3.7	3.9	0.0	0.3	0.0	4.3	8.1
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	3.1	3.1	1.5	0.0	1.3	0.0	2.9	6.0
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.1	1.1	3.5	0.0	0.1	0.0	3.7	4.8
RP	2.09:	TECHNICAL ASSISTANCE	2.0	0.0	0.0	2.0	0.2	0.0	0.0	0.0	0.2	2.2
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.3
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0	0.8	0.8
RP	3.01:	CORN	7.7	0.0	0.0	7.7	24.9	0.0	0.0	0.0	25.0	32.7
RP	3.02:	GRAIN SORGHUM	1.8	0.0	0.0	1.8	0.6	0.0	0.0	0.0	0.6	2.4
RP	3.03:	WHEAT	7.4	0.0	0.0	7.4	4.0	0.0	0.0	0.0	4.0	11.4
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	4.1	0.0	0.0	4.1	5.4	0.0	0.0	0.0	5.4	9.6
RP	3.05:	RICE	1.5	0.0	0.0	1.5	0.7	0.0	0.0	0.0	0.7	2.2
RP	3.06:	SOYBEANS	39.7	0.0	0.0	39.7	5.8	2.8	0.0	0.0	8.6	48.9
RP	3.07:	PEANUTS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.08:	SUGAR	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0
RP	3.09:	FORAGE, RANGE, & PASTURE	31.5	0.0	0.0	31.5	24.2	1.0	0.0	0.0	25.2	56.7
RP	3.10:	COTTON	2.8	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.8
RP	3.11:	TOBACCO	2.0	0.0	0.0	2.0	8.4	0.0	0.0	0.0	8.4	10.9
RP	3.12:	NEW CROPS & MINOR OILSEEDS	8.1	0.0	0.0	8.1	0.9	0.4	0.3	0.0	1.7	9.9
RP	3.13:	FRUIT	45.3	0.0	0.0	45.3	77.4	0.0	0.0	0.0	77.4	122.8
RP	3.14:	VEGETABLE CROPS	58.4	0.0	0.0	58.4	86.9	1.8	0.0	0.0	88.7	147.1
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	21.0	0.6	0.0	21.7	38.7	0.2	0.0	0.0	38.9	60.7
RP	3.16:	BEES & OTHER POLLINATING INSECTS	4.3	0.8	0.0	5.0	2.1	0.0	0.0	0.0	2.1	7.1
RP	3.17:	WEEDS IN CROPS	9.1	0.0	0.0	9.1	0.5	0.0	0.0	0.0	0.5	9.6
RP	3.18:	SEEDS	3.6	0.0	0.0	3.6	3.3	0.0	0.0	0.0	3.3	6.9

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1

NORTHEAST REGION

	ARS/HNIS /OICD	USDA ERS/ ACS	PS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 3.19: NONSPECIFIC PLANTS	85.4	0.0	0.0	85.4	25.2	0.0	1.3	0.0	1.3	27.8	93.3
RP 4.01: BEEF	30.7	0.3	0.0	31.0	14.9	0.1	0.0	3.6	0.0	18.6	49.7
RP 4.02: DAIRY	58.1	0.6	0.0	58.7	47.6	0.6	0.0	7.5	0.6	56.3	115.1
RP 4.03: POULTRY	23.8	0.0	0.0	23.8	46.9	0.0	0.0	3.6	1.7	51.3	75.1
RP 4.04: SHEEP	11.4	0.2	0.0	11.7	7.3	0.0	0.0	4.3	0.0	11.7	23.5
RP 4.05: SWINE	32.8	0.2	0.0	33.1	10.1	0.0	0.0	2.7	0.0	12.9	46.0
RP 4.08: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	3.3	0.0	0.0	3.3	7.4	0.0	0.0	39.7	0.0	47.2	50.6
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	15.3	0.3	0.0	0.2	0.0	15.8	15.8
RP 4.08: NONSPECIFIC ANIMALS	0.4	0.0	0.0	0.4	12.8	0.0	0.0	12.5	0.0	25.4	25.8
RP 4.09: INVERTEBRATES	43.6	0.0	0.0	43.6	18.2	0.0	0.0	0.0	2.0	20.2	63.8
RP 5.01: INDIVIDUALS AND FAMILIES	4.1	7.0	0.0	11.1	22.1	0.4	0.0	0.0	0.0	22.5	33.7
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	4.2	0.6	0.0	0.0	0.0	4.8	4.8
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	2.3	32.1	0.0	34.5	42.4	1.4	0.3	4.7	0.0	48.9	83.5
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.4	0.0	0.0	0.4	10.3	0.0	0.0	0.0	0.0	10.3	10.7
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.5	0.0	0.5	0.8	0.0	0.9	0.0	0.0	1.7	2.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	1.0	61.0	0.0	62.0	23.0	0.4	0.0	0.0	0.0	23.4	85.5
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.3	98.0	0.0	98.4	13.7	0.0	0.2	0.0	0.0	14.0	112.4
RP 6.03: MARKETING & COMPETITION	0.9	134.1	0.1	135.2	17.6	0.0	0.0	0.0	0.0	17.6	152.8
RP 7.01: MANMADE RESOURCES	1.8	0.0	0.0	1.8	7.2	0.0	1.5	0.0	0.0	8.7	10.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	43.1	0.0	0.0	43.1	59.2	0.0	2.3	1.7	2.3	65.6	108.7
RP 8.01: HUMAN NUTRITION	84.8	4.4	0.0	89.2	46.6	0.4	0.0	0.0	1.1	48.2	117.4
RP 8.02: FOOD PROCESSING	1.9	0.0	0.0	1.9	15.0	0.0	0.0	0.0	0.0	15.0	16.9
RP 8.03: FOOD SAFETY	24.8	0.5	0.0	25.3	19.3	0.0	0.0	0.2	0.4	19.9	45.3
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 9.01: UNCLASSIFIED	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
GRAND TOTAL	751.4	384.1	82.6	1218.1	972.6	12.3	62.5	85.4	12.9	1145.7	2363.8

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

SOUTHERN REGION

		-----+ ARS/HNIS /OICO	USDA ERS/ ACS	-----+ FS USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	-----+ VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	38.4	0.0	0.0	38.4	82.2	2.6	0.0	0.0	85.0	123.6
RP	1.02: WATER & WATERSHEDS	51.2	0.0	0.7	52.0	51.7	2.1	0.1	0.0	54.0	106.0
RP	1.03: RECREATION	0.3	0.0	0.0	0.3	5.8	0.0	0.0	0.0	5.8	6.2
RP	1.04: ENVIRONMENTAL QUALITY	16.6	0.0	0.0	16.6	46.4	1.9	0.0	7.3	55.6	72.3
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.8	0.0	1.9	3.7	13.1	0.2	0.0	0.0	13.4	17.1
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	26.8	4.3	1.2	1.1	33.5	33.6
RP	1.07: REMOTE SENSING	4.3	0.0	0.0	4.3	1.6	0.9	0.0	0.0	2.5	6.8
RP	1.08: AQUATIC WEEDS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	17.8	17.8	8.6	0.0	1.0	0.0	9.6	27.4
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	82.9	82.9	60.6	0.9	8.6	0.0	68.7	131.7
RP	2.03: FOREST PROTECTION	0.0	0.0	33.4	33.4	21.9	0.0	2.4	0.0	24.3	57.8
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	20.4	20.4	64.1	0.0	2.6	0.0	67.0	87.4
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	19.0	19.0	15.8	0.0	2.2	0.0	18.1	37.1
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	6.6	6.6	13.6	0.0	0.3	0.0	13.9	20.6
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	1.4	1.4	2.9	0.0	0.0	0.0	2.9	4.3
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	1.3	1.3	4.3	0.0	0.4	0.0	4.8	6.1
RP	2.09: TECHNICAL ASSISTANCE	6.1	0.0	0.0	6.1	2.8	0.0	0.0	0.0	2.8	9.0
RP	2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	5.2	5.2	1.9	0.0	0.0	0.0	1.9	7.1
RP	2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2	1.2
RP	3.01: CORN	31.3	0.0	0.0	31.3	45.0	0.7	0.0	0.0	45.7	77.0
RP	3.02: GRAIN SORGHUM	7.4	0.0	0.0	7.4	35.8	0.6	0.0	0.0	36.5	43.9
RP	3.03: WHEAT	15.7	0.0	0.0	15.7	48.8	0.6	0.0	0.0	49.5	65.3
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	1.4	0.0	0.0	1.4	11.4	0.4	0.0	0.0	11.8	13.3
RP	3.05: RICE	11.7	0.0	0.0	11.7	36.1	0.0	0.0	0.0	36.1	47.8
RP	3.06: SOYBEANS	35.7	0.0	0.0	35.7	101.6	12.6	0.0	0.0	114.3	150.1
RP	3.07: PEANUTS	31.4	0.0	0.0	31.4	36.0	0.9	0.0	0.0	36.9	68.4
RP	3.08: SUGAR	17.0	0.0	0.0	17.0	25.7	0.1	0.0	0.0	26.3	43.3
RP	3.09: FORAGE, RANGE, & PASTURE	55.8	0.0	0.4	56.2	131.7	2.8	0.0	0.0	134.8	191.1
RP	3.10: COTTON	144.3	0.0	0.0	144.3	84.4	0.0	0.0	0.0	84.4	228.8
RP	3.11: TOBACCO	20.5	0.0	0.0	20.5	46.4	0.0	0.0	0.0	46.4	66.9
RP	3.12: NEW CROPS & MINOR OILSEEDS	7.3	0.0	0.0	7.3	13.0	1.4	0.0	0.0	14.4	21.8
RP	3.13: FRUIT	73.7	0.0	0.0	73.7	158.3	2.1	0.0	0.0	180.4	234.2
RP	3.14: VEGETABLE CROPS	41.8	0.0	0.0	41.8	189.0	21.0	0.0	0.0	210.0	251.8
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.9	0.0	0.0	0.9	100.1	1.9	0.0	0.0	102.0	102.9
RP	3.16: BEES & OTHER POLLINATING INSECTS	9.8	0.0	0.0	9.8	3.1	0.0	0.0	0.0	3.1	12.9
RP	3.17: WEEDS IN CROPS	0.9	0.0	0.0	0.9	4.2	0.1	0.0	0.0	4.3	5.2

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2												
SOUTHERN REGION												

TABLE V-8 REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

REGION 3

NORTH CENTRAL REGION

		USDA		USDA		OTHER INSTITUTIONS		USDA		USDA		GRAND TOTAL
		ARS/HNIS/DICD	ERS/ACS	FS	TOTAL	SAES	1880/TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 1.01:	SOIL & LAND USE	31.3	0.0	0.0	31.3	95.4	0.0	0.0	0.0	0.0	95.4	126.7
RP 1.02:	WATER & WATERSHEDS	9.6	0.0	0.0	9.6	32.4	0.0	0.0	0.0	0.0	32.5	42.1
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	6.5	6.5
RP 1.04:	ENVIRONMENTAL QUALITY	6.5	0.0	0.0	6.5	30.1	0.0	0.2	0.0	0.0	30.3	36.8
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.5	0.0	0.0	0.5	12.4	0.0	0.1	0.0	0.0	12.6	13.1
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.1	0.0	20.1	20.1
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	6.5	6.5	8.4	0.0	1.4	0.0	0.0	9.8	16.4
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	21.7	21.7	34.5	0.0	6.5	0.0	0.1	41.1	62.8
RP 2.03:	FOREST PROTECTION	0.0	0.0	20.5	20.5	15.4	0.0	0.5	0.0	0.1	16.0	36.6
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	89.6	89.6	18.7	0.0	6.5	0.0	2.3	26.6	116.2
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.2	0.0	20.5	20.7	10.2	0.0	4.1	0.0	0.0	14.4	35.2
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	9.2	9.2	3.5	0.0	0.6	0.0	0.0	4.1	13.4
RP 2.07:	FOREST RECREATION & AESTHETICS & DTH LANDSCAPE VALUES	0.0	0.0	5.5	5.5	6.6	0.0	0.4	0.0	0.0	7.1	12.7
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	2.0	2.0	3.8	0.0	0.7	0.0	0.0	4.5	6.6
RP 2.09:	TECHNICAL ASSISTANCE	3.3	0.0	0.0	3.3	10.1	0.0	0.0	0.0	0.0	10.1	13.4
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	1.9	0.0	0.0	1.9	1.3	0.0	0.0	0.0	1.0	2.3	4.2
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.7	0.7
RP 3.01:	CORN	80.9	0.0	0.0	80.9	103.8	0.0	0.0	0.0	0.0	103.8	184.8
RP 3.02:	GRAIN SORGHUM	4.9	0.0	0.0	4.9	25.1	0.0	0.0	0.0	0.0	25.1	30.1
RP 3.03:	WHEAT	51.1	0.0	0.0	51.1	71.9	0.0	0.0	0.0	0.2	72.1	123.2
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	12.6	0.0	0.0	12.6	32.5	0.0	0.0	0.0	1.0	33.5	46.2
RP 3.05:	RICE	0.1	0.0	0.0	0.1	4.2	0.0	0.0	0.0	0.0	4.2	4.3
RP 3.06:	SOYBEANS	66.1	0.0	0.0	66.1	77.9	0.9	0.0	0.0	1.8	80.6	146.8
RP 3.07:	PEANUTS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.08:	SUGAR	7.9	0.0	0.0	7.9	8.5	0.0	0.0	0.0	0.0	8.5	14.5
RP 3.09:	FORAGE, RANGE, & PASTURE	32.9	0.0	0.2	33.1	60.8	0.8	0.0	0.0	0.0	61.4	94.5
RP 3.10:	COTTON	3.4	0.0	0.0	3.4	2.6	0.0	0.0	0.0	0.0	2.6	6.1
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.1	0.7	0.7
RP 3.12:	NEW CROPS & MINOR OILSEEDS	16.5	0.0	0.0	16.5	21.2	0.0	0.0	0.0	0.1	21.3	37.8
RP 3.13:	FRUIT	6.2	0.0	0.0	6.2	39.8	0.0	0.0	0.0	0.0	39.8	46.0
RP 3.14:	VEGETABLE CROPS	17.1	0.0	0.0	17.1	81.9	2.4	0.0	0.0	0.1	84.5	101.6
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	2.5	0.0	0.0	2.5	40.8	0.0	0.2	0.0	0.0	41.0	43.5
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.17:	WEEDS IN CROPS	4.7	0.0	0.0	4.7	3.6	0.0	0.0	0.0	0.0	3.6	8.3
RP 3.18:	SEEDS	3.7	0.0	0.0	3.7	2.6	0.0	0.0	0.0	0.0	2.6	6.3

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3

NORTH CENTRAL REGION

	+-----+ USDA		-----+ USDA		+-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		GRAND TOTAL
	ARS/HNIS /OICD	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	PRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 3.19: NONSPECIFIC PLANTS	22.0	0.0	0.0	22.0	85.7	0.0	0.0	0.0	5.1	70.8	92.8
RP 4.01: BEEF	41.2	0.0	0.0	41.2	103.2	0.5	0.0	7.7	1.0	112.5	153.8
RP 4.02: DAIRY	32.7	0.0	0.0	32.7	77.5	0.0	0.0	9.0	0.0	86.5	119.2
RP 4.03: POULTRY	21.2	0.0	0.0	21.2	47.7	0.0	0.0	5.0	0.3	53.0	74.3
RP 4.04: SHEEP	9.1	0.0	0.0	9.1	21.7	0.5	0.0	0.9	1.0	24.3	33.4
RP 4.05: SWINE	37.9	0.0	0.0	37.9	86.9	0.7	0.0	16.9	0.7	105.2	143.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	13.7	0.0	0.0	22.7	0.1	36.6	36.6
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.7	0.0	3.0	3.0
RP 4.08: NONSPECIFIC ANIMALS	2.2	0.0	0.0	2.2	35.6	0.0	0.0	22.7	0.0	58.3	60.6
RP 4.09: INVERTEBRATES	13.6	0.0	0.0	13.6	14.2	0.0	0.0	0.0	1.0	15.2	28.8
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	35.6	0.0	0.0	0.0	0.0	35.6	35.6
RP 5.02: LIVING ENVIRONMENT	0.4	0.0	0.0	0.4	8.5	0.4	0.0	0.0	0.0	9.0	9.4
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.1	0.0	0.0	0.1	37.8	0.0	0.0	0.2	0.7	38.7	38.8
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	1.0	1.0	2.8	0.0	0.0	0.0	0.0	2.8	3.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.2	0.0	0.0	0.2	55.2	0.0	0.0	0.1	0.3	55.6	55.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.9	0.0	0.0	0.9	24.3	0.0	0.0	0.0	0.0	24.3	25.2
RP 6.03: MARKETING & COMPETITION	2.8	0.0	0.0	2.8	48.4	0.0	0.0	0.0	0.0	48.4	51.3
RP 7.01: MANMADE RESOURCES	3.7	0.0	0.0	3.7	9.2	0.0	0.0	0.1	0.0	9.3	13.1
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	22.5	0.0	0.0	22.5	72.8	0.0	0.0	0.0	1.3	74.1	96.6
RP 8.01: HUMAN NUTRITION	18.9	0.0	0.0	18.9	39.0	5.6	0.0	0.0	0.5	45.1	64.0
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	13.8	13.8
RP 8.03: FOOD SAFETY	16.1	0.0	0.0	16.1	25.8	0.0	0.0	0.0	0.0	25.8	42.0
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.8	0.0	0.0	0.8	3.5	0.0	0.0	0.0	0.0	3.5	4.3
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
GRAND TOTAL	810.8	0.0	177.1	787.7	1742.1	11.9	20.6	88.5	19.2	1880.3	2868.0

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

REGION 4											
WESTERN REGION											

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

WESTERN REGION

	ARS/HHIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	INSTITUTIONS VET SCH	OTHER	TOTAL	GRAND TOTAL
RP 3.19: NONSPECIFIC PLANTS	39.0	0.0	0.0	39.0	83.0	0.0	1.0	0.0	0.8	84.8	124.0
RP 4.01: BEEF	21.2	0.0	0.0	21.2	103.1	0.0	0.0	60.2	1.3	164.6	185.9
RP 4.02: DAIRY	8.4	0.0	0.0	8.4	59.8	0.0	0.0	20.8	0.1	80.7	89.1
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	25.7	0.0	0.0	1.3	0.0	27.0	27.0
RP 4.04: SHEEP	13.6	0.0	0.0	13.6	32.0	0.0	0.0	15.2	0.0	47.2	60.8
RP 4.05: SWINE	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.9	0.3	11.0	11.0
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	2.0	0.0	0.0	2.0	15.5	0.0	0.0	19.9	0.0	35.5	37.5
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	2.0	0.0	0.0	2.0	18.2	0.0	0.6	1.7	0.0	20.5	22.5
RP 4.08: NONSPECIFIC ANIMALS	1.6	0.0	0.0	1.6	39.8	0.0	0.0	77.4	0.0	117.2	118.8
RP 4.09: INVERTEBRATES	4.8	0.0	0.0	4.8	29.7	0.0	0.0	0.0	1.6	31.3	36.1
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	20.3	0.0	0.0	0.0	0.0	20.3	20.3
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	32.6	0.0	1.0	0.0	0.0	33.6	33.6
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	16.8	0.0	0.0	0.0	0.0	16.8	16.8
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	24.6	0.0	0.6	0.0	0.0	25.1	25.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	23.3	0.0	0.0	0.0	0.0	23.3	23.3
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.2	0.0	0.0	0.2	16.9	0.0	0.0	0.9	0.0	17.8	18.0
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	32.8	0.0	0.0	0.0	0.0	32.8	32.8
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	3.6	0.0	0.3	0.0	0.0	3.9	3.9
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	14.3	0.0	0.0	14.3	77.1	0.0	0.4	0.0	1.6	79.2	93.6
RP 8.01: HUMAN NUTRITION	20.6	0.0	0.0	20.6	41.8	0.0	0.0	0.0	0.2	42.0	62.6
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	12.5	12.5
RP 8.03: FOOD SAFETY	13.2	0.0	0.0	13.2	28.6	0.0	0.0	0.2	0.5	29.3	42.5
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0	9.0
GRAND TOTAL	582.1	0.0	304.0	886.1	1866.0	0.0	157.5	204.0	14.2	2041.7	2927.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

FOREIGN

FRANCE

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 2.03: FOREST PROTECTION	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 3.09: FORAGE, RANGE, & PASTURE	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 3.10: COTTON	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 3.13: FRUIT	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 3.14: VEGETABLE CROPS	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 4.03: POULTRY	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
GRAND TOTAL	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

FOREIGN

ITALY

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 2.09: TECHNICAL ASSISTANCE	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP 3.09: FORAGE, RANGE, & PASTURE	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

FOREIGN

MEXICO

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.01: BEEF	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
GRAND TOTAL	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

FOREIGN

NETHERLANDS

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

FOREIGN

SOUTH KOREA

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 2.03: FOREST PROTECTION	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
RP 4.08: NONSPECIFIC ANIMALS	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1

CONNECTICUT

		+	USDA		+	+	OTHER	INSTITUTIONS		+		
		ARS/HNIS	ERS/	FS	USDA	CONN	CONN	FRSTRY	VET	OTHR	TOTAL	GRAND
		/DIED	ACS		TOTAL	N HAV	STORRS	SCH	SCH			TOTAL
RP	1.01:											
	SOIL & LAND USE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	1.04:											
	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	5.4	0.6	0.0	0.0	0.0	6.0	6.0
RP	1.05:											
	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	1.06:											
	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	1.07:											
	REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	2.01:											
	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.3	0.3
RP	2.02:											
	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.2	2.4	2.4
RP	2.03:											
	FOREST PROTECTION	0.0	0.0	9.8	9.8	3.2	0.0	0.0	0.0	0.4	3.6	13.4
RP	2.04:											
	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	2.05:											
	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	3.01:											
	CORN	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	0.7	0.7
RP	3.03:											
	WHEAT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	3.09:											
	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.2	0.8	0.0	0.0	0.0	1.0	1.0
RP	3.11:											
	TOBACCO	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP	3.13:											
	FRUIT	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0	6.0
RP	3.14:											
	VEGETABLE CROPS	0.0	0.0	0.0	0.0	5.8	1.0	0.0	0.0	0.0	6.8	6.8
RP	3.15:											
	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.2	3.1	0.0	0.0	0.0	6.3	6.3
RP	3.19:											
	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.01:											
	BEEF	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	4.02:											
	DAIRY	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	2.8	2.8
RP	4.03:											
	POULTRY	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.5	2.3	2.3
RP	4.04:											
	SHEEP	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	4.05:											
	SWINE	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	4.06:											
	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.6	1.1	0.0	0.0	0.0	1.8	1.8
RP	4.07:											
	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	5.03:											
	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	1.8	1.8
RP	5.04:											
	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP	5.01:											
	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP	5.03:											
	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	7.01:											
	MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	7.02:											
	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.0	0.9	0.0	0.0	0.0	1.9	1.9
RP	8.01:											
	HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	1.5	1.5
RP	8.03:											
	FOOD SAFETY	0.0	0.0	0.0	0.0	1.0	0.2	0.0	0.0	0.0	1.2	1.2
RP	8.04:											
	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL		0.0	0.0	9.8	9.8	39.7	22.7	0.0	0.0	1.2	63.6	73.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 1

RESEARCH PROGRAM SUMMARY

DELAWARE

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	1.7	1.7
RP 2.03: FOREST PROTECTION	1.5	0.0	0.0	1.5	0.4	0.0	0.0	0.0	0.0	0.4	1.9
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.01: CORN	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.06: SOYBEANS	0.7	0.0	0.0	0.7	1.2	0.0	0.0	0.0	0.0	1.2	1.9
RP 3.09: FORAGE, RANGE, & PASTURE	0.7	0.0	0.0	0.7	0.0	1.0	0.0	0.0	0.0	1.0	1.7
RP 3.14: VEGETABLE CROPS	0.7	0.0	0.0	0.7	3.7	1.8	0.0	0.0	0.0	5.5	6.2
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.9	0.2	0.0	0.0	0.0	1.1	1.1
RP 3.19: NONSPECIFIC PLANTS	0.3	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.03: POULTRY	5.1	0.0	0.0	5.1	6.4	0.0	0.0	0.0	0.0	6.4	11.5
RP 4.05: SWINE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 4.09: INVERTEBRATES	1.0	0.0	0.0	1.0	1.5	0.0	0.0	0.0	0.0	1.5	2.5
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	2.0	2.0
RP 5.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 5.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL	10.2	0.0	0.0	10.2	31.6	5.7	0.0	0.0	0.0	37.3	47.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988								REGION 1																	
RESEARCH PROGRAM SUMMARY								DISTRICT OF COLUMBIA																	
								+-----+ ARS/HNIS /DICO		USDA ERS/ ACS		-----+ USDA FS TOTAL		+-----+ OTHER INSTITUTIONS 1880/ TUSK		FRSTRY SCH		VET SCH		-----+ OTHR		TOTAL		GRAND TOTAL	
RP	1.01:	SOIL & LAND USE						0.0	23.3	0.0	23.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	23.4				
RP	1.02:	WATER & WATERSHEDS						0.0	17.5	0.0	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5				
RP	1.03:	RECREATION						0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8				
RP	1.04:	ENVIRONMENTAL QUALITY						0.0	0.1	0.0	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0					
RP	1.06:	FISH & WILDLIFE						0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2					
RP	3.13:	FRUIT						0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1					
RP	3.14:	VEGETABLE CROPS						0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4					
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT						7.2	0.6	0.0	7.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	8.3					
RP	3.16:	BEES & OTHER POLLINATING INSECTS						0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6					
RP	4.01:	BEEF						0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3					
RP	4.02:	DAIRY						0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6					
RP	4.04:	SHEEP						0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2					
RP	4.05:	SWINE						0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2					
RP	5.01:	INDIVIDUALS AND FAMILIES						0.0	7.0	0.0	7.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	7.7					
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES						0.0	32.1	0.0	32.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	32.4					
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH						0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5					
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME						0.0	61.0	0.0	61.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.0					
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT						0.0	98.0	0.0	98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.0					
RP	6.03:	MARKETING & COMPETITION						0.0	134.1	0.0	134.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	134.1					
RP	8.01:	HUMAN NUTRITION						0.0	4.4	0.0	4.4	1.0	0.0	0.0	0.0	0.0	0.0	1.0	5.4						
RP	8.03:	FOOD SAFETY						0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5					
GRAND TOTAL							7.2	384.1	0.0	391.3	4.1	0.0	0.0	0.0	0.0	0.0	4.1	395.4							

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1

MAINE

			+	USDA	+	+	OTHER INSTITUTIONS			+			
			ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	4.2	4.2	6.1	0.0	0.0	0.0	0.0	6.1	10.3
RP	2.03:	FOREST PROTECTION	0.0	0.0	2.3	2.3	2.4	0.0	0.0	0.0	0.0	2.4	4.7
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.01:	CORN	0.5	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.9
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.09:	FORAGE, RANGE, & PASTURE	0.5	0.0	0.0	0.5	0.8	0.0	0.0	0.0	0.0	0.8	1.3
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	3.14:	VEGETABLE CROPS	2.4	0.0	0.0	2.4	9.1	0.0	0.0	0.0	0.0	9.1	11.6
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL			3.9	0.0	6.5	10.4	55.6	0.0	0.0	0.0	0.0	55.6	66.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1											
MARYLAND											
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	YET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	5.4	0.0	0.0	5.4	2.8	0.0	0.0	0.0	0.0	2.8	8.3
RP 1.02: WATER & WATERSHEDS	5.9	0.0	0.0	5.9	1.8	0.0	0.0	0.0	0.0	1.8	7.8
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 1.04: ENVIRONMENTAL QUALITY	19.2	0.0	0.0	19.2	2.3	0.0	0.0	0.0	0.0	2.3	21.6
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 1.07: REMOTE SENSING	8.5	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	8.5
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.03: FOREST PROTECTION	8.4	0.0	0.0	8.4	1.0	0.0	0.0	0.0	0.0	1.0	9.5
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.09: TECHNICAL ASSISTANCE	2.0	0.0	0.0	2.0	0.2	0.0	0.0	0.0	0.0	0.2	2.2
RP 3.01: CORN	5.3	0.0	0.0	5.3	1.1	0.0	0.0	0.0	0.0	1.1	7.4
RP 3.02: GRAIN SORGHUM	1.8	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8
RP 3.03: WHEAT	5.4	0.0	0.0	5.4	0.5	0.0	0.0	0.0	0.0	0.5	7.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	2.2	0.0	0.0	2.2	0.8	0.0	0.0	0.0	0.0	0.8	3.1
RP 3.05: RICE	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
RP 3.06: SOYBEANS	30.1	0.0	0.0	30.1	2.2	2.8	0.0	0.0	0.5	5.5	35.6
RP 3.07: PEANUTS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 3.08: SUGAR	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
RP 3.09: FORAGE, RANGE, & PASTURE	10.2	0.0	0.0	10.2	2.0	0.0	0.0	0.0	0.0	2.0	12.3
RP 3.10: COTTON	2.8	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
RP 3.11: TOBACCO	2.0	0.0	0.0	2.0	3.1	0.0	0.0	0.0	0.0	3.1	5.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	7.5	0.0	0.0	7.5	0.7	0.4	0.0	0.0	0.0	1.1	8.6
RP 3.13: FRUIT	15.1	0.0	0.0	15.1	2.8	0.0	0.0	0.0	0.0	2.8	18.0
RP 3.14: VEGETABLE CROPS	40.1	0.0	0.0	40.1	5.4	0.0	0.0	0.0	0.0	5.4	45.5
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	13.8	0.0	0.0	13.8	4.0	0.0	0.0	0.0	0.0	4.0	17.9
RP 3.16: BEES & OTHER POLLINATING INSECTS	4.3	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	4.3
RP 3.17: WEEDS IN CROPS	9.1	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	9.1
RP 3.18: SEEDS	3.6	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	3.6
RP 3.19: NONSPECIFIC PLANTS	51.5	0.0	0.0	51.5	2.2	0.0	0.0	0.0	0.0	2.2	63.7
RP 4.01: BEEF	13.3	0.0	0.0	13.3	2.9	0.1	0.0	0.0	0.0	3.0	16.4
RP 4.02: DAIRY	27.7	0.0	0.0	27.7	5.2	0.5	0.0	0.0	0.0	5.8	33.5
RP 4.03: POULTRY	16.1	0.0	0.0	16.1	7.9	0.0	0.0	0.0	0.1	8.0	24.1
RP 4.04: SHEEP	9.2	0.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	9.2
RP 4.05: SWINE	22.3	0.0	0.0	22.3	1.9	0.0	0.0	0.0	0.0	1.9	24.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 1

RESEARCH PROGRAM SUMMARY

MARYLAND

	+-----+ USDA		-----+ USDA		+-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		GRAND TOTAL
	ARS/HNIS /DID	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.2	0.0	0.0	1.2	1.5	0.0	0.0	0.0	0.0	1.5	2.7
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.7	0.7
RP 4.08: NONSPECIFIC ANIMALS	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.4
RP 4.09: INVERTEBRATES	40.8	0.0	0.0	40.8	1.2	0.0	0.0	0.0	1.0	2.2	43.2
RP 5.01: INDIVIDUALS AND FAMILIES	4.1	0.0	0.0	4.1	0.0	0.4	0.0	0.0	0.0	0.5	4.6
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	2.3	0.0	0.0	2.3	1.4	0.4	0.0	0.0	0.0	1.8	4.2
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	1.0	0.0	0.0	1.0	0.6	0.4	0.0	0.0	0.0	1.0	2.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.2	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.3	0.6
RP 6.03: MARKETING & COMPETITION	0.9	0.0	0.0	0.9	1.8	0.0	0.0	0.0	0.0	1.8	2.7
RP 7.01: MANMADE RESOURCES	1.8	0.0	0.0	1.8	0.6	0.0	0.0	0.0	0.0	0.6	2.4
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	34.7	0.0	0.0	34.7	0.4	0.0	0.0	0.0	0.3	0.7	35.4
RP 8.01: HUMAN NUTRITION	59.4	0.0	0.0	59.4	0.2	0.4	0.0	0.0	0.0	0.7	60.2
RP 8.03: FOOD SAFETY	3.1	0.0	0.0	3.1	1.1	0.0	0.0	0.0	0.0	1.1	4.2
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 9.01: UNCLASSIFIED	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
GRAND TOTAL	514.1	0.0	0.0	514.1	66.5	6.6	0.0	0.0	1.9	75.0	589.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1											
MASSACHUSETTS											
	ARS/HNIS /D/C/D	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.7	1.0	1.0
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.03: FOREST PROTECTION	0.0	0.0	0.2	0.2	2.3	0.0	0.0	0.0	0.0	2.3	2.8
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01: CORN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.06: SOYBEANS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	5.6	5.6
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.01: BEEF	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPCS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.7	3.0	3.0
RP 8.01: HUMAN NUTRITION	2.0	0.0	0.0	2.0	1.1	0.0	0.0	0.0	0.5	1.6	3.6
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.4	2.2	2.2
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
GRAND TOTAL	2.0	0.0	3.2	5.2	43.7	0.0	0.0	0.0	2.3	46.0	51.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 1

RESEARCH PROGRAM SUMMARY

NEW HAMPSHIRE

		USDA		USDA		OTHER INSTITUTIONS					GRAND TOTAL
		ARS/HNIS /OICD	ERS/ ACS	FS	TOTAL	SAES	1880/ TUSK	FRSTRY SCH	VET SCH	OTHR	
RP	1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
RP	1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3
RP	1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	8.3	8.3	1.3	0.0	0.0	0.0	0.0	1.3
RP	2.03: FOREST PROTECTION	0.0	0.0	1.0	1.0	0.8	0.0	0.0	0.0	0.0	0.8
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.9	4.9	1.0	0.0	0.0	0.0	0.0	1.0
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.6	0.6	1.1	0.0	0.0	0.0	0.0	1.1
RP	2.07: FOREST RECREATION & AESTHETICS & OTHER LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9
RP	2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01: CORN	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8
RP	3.06: SOYBEANS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
RP	3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3
RP	3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2
RP	4.05: SWINE	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5
RP	5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3
RP	6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6
RP	7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.2	1.4
RP	8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
GRAND TOTAL		0.0	0.0	13.0	13.0	27.4	0.0	0.0	0.0	0.2	27.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1

NEW JERSEY

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	6.6	6.6
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01: CORN	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 3.06: SOYBEANS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0	9.8	9.8
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0	10.3	10.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.17: WEEDS IN CRDPS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 4.01: BEEF	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	1.6	1.6
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.05: SWINE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1

NEW JERSEY

	-----+ ARS/HNIS /OICD	USOA ERS/ ACS	FS	-----+ USOA TOTAL	-----+ SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	OTHER INSTITUTIONS VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	9.6	9.6
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	6.8	6.8
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	8.2
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	0.0	0.0	0.0	0.0	98.5	0.0	0.0	0.0	0.0	98.5	98.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1

NEW YORK

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	NY ITHACA	NY GENEVA	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	1.5	0.0	0.0	1.5	10.4	0.1	0.0	0.0	0.0	10.5	12.1
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	3.0	0.0	0.1	0.0	0.0	3.1	3.1
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.04: ENVIRONMENTAL QUALITY	0.5	0.0	0.0	0.5	9.2	0.4	10.7	3.2	0.8	24.3	24.8
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.2	0.0	0.1	0.0	0.0	2.3	2.3
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	14.8	0.0	0.6	0.8	0.0	16.2	16.2
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.1	0.0	0.8	0.0	0.0	0.9	0.9
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.8	0.0	8.5	0.0	0.0	9.4	9.4
RP 2.03: FOREST PROTECTION	0.8	0.0	0.0	0.8	0.7	0.8	4.3	0.0	0.3	6.1	6.9
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.2	0.0	20.9	0.0	0.0	21.1	21.1
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.4	0.0	4.0	0.0	0.0	4.4	4.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.3	0.0	0.7	0.0	0.0	1.0	1.0
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
RP 2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.3
RP 2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	0.6
RP 3.01: CORN	0.3	0.0	0.0	0.3	6.0	0.0	0.0	0.0	0.0	6.0	6.4
RP 3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.03: WHEAT	0.9	0.0	0.0	0.9	0.8	0.1	0.0	0.0	0.0	0.9	1.9
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.6	0.0	0.0	0.6	2.5	0.3	0.0	0.0	0.0	2.8	3.4
RP 3.05: RICE	0.2	0.0	0.0	0.2	0.4	0.3	0.0	0.0	0.0	0.7	0.9
RP 3.06: SOYBEANS	2.3	0.0	0.0	2.3	1.6	0.0	0.0	0.0	0.0	1.6	3.9
RP 3.08: FORAGE, RANGE, & PASTURE	3.6	0.0	0.0	3.6	5.8	0.0	0.0	0.0	0.0	5.9	9.5
RP 3.11: TOBACCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.5	0.0	0.0	0.5	0.0	0.0	0.3	0.0	0.0	0.4	1.0
RP 3.13: FRUIT	2.3	0.0	0.0	2.3	4.4	28.7	0.0	0.0	0.0	31.2	33.5
RP 3.14: VEGETABLE CROPS	2.2	0.0	0.0	2.2	17.4	15.9	0.0	0.0	0.0	33.4	35.6
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	8.9	0.8	0.0	0.0	0.0	9.7	9.7
RP 3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.18: SEEDS	0.0	0.0	0.0	0.0	1.0	2.3	0.0	0.0	0.0	3.3	3.3
RP 3.19: NONSPECIFIC PLANTS	2.2	0.0	0.0	2.2	10.6	1.0	1.3	0.0	1.3	14.3	16.5
RP 4.01: BEEF	3.1	0.0	0.0	3.1	4.4	0.0	0.0	2.8	0.0	7.0	10.1
RP 4.02: DAIRY	3.1	0.0	0.0	3.1	16.8	0.0	0.0	3.7	0.0	20.3	23.5
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	9.8	0.0	0.0	3.3	0.8	13.9	13.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1

NEW YORK

	+-----+ USDA		-----+ USDA		+-----+ NY		OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		GRAND TOTAL
	ARS/HNIS /DICD	ERS/ ACS	FS	TOTAL	ITHACA	GENEVA	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 4.04: SHEEP	0.4	0.0	0.0	0.4	2.2	0.0	0.0	3.9	0.0	6.1	6.5
RP 4.05: SWINE	10.4	0.0	0.0	10.4	1.5	0.0	0.0	2.8	0.0	4.1	14.6
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	2.1	0.0	0.0	2.1	0.7	0.0	0.0	27.1	0.0	27.8	30.1
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.2	0.0	3.9	3.9
RP 4.08: NONSPECIFIC ANIMALS	0.2	0.0	0.0	0.2	8.0	0.0	0.0	12.2	0.0	18.2	18.5
RP 4.09: INVERTEBRATES	1.8	0.0	0.0	1.8	8.0	1.2	0.0	0.0	0.8	10.0	11.8
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	18.4	0.0	0.0	0.0	0.0	18.4	18.4
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	17.5	0.1	0.3	4.7	0.0	22.7	22.7
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	9.4	9.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.2	0.0	0.0	1.5	1.5
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	5.1	0.0	1.5	0.0	0.0	6.6	6.6
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.9	0.0	0.0	1.9	39.5	1.0	2.3	1.7	1.1	45.8	47.7
RP 8.01: HUMAN NUTRITION	3.0	0.0	0.0	3.0	28.3	0.0	0.0	0.0	0.0	28.3	31.3
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	1.5	2.4	0.0	0.0	0.0	4.0	4.0
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.8	3.4	0.0	0.2	0.0	4.4	4.4
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL	44.5	0.0	1.1	45.6	289.3	57.4	58.5	55.8	5.6	477.6	523.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1

PENNSYLVANIA

	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	4.0	0.0	0.0	4.0	3.2	0.0	0.0	0.0	0.0	3.2	7.3
RP 1.02: WATER & WATERSHEDS	7.2	0.0	0.0	7.2	0.3	0.0	0.0	0.0	0.0	0.3	7.5
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.04: ENVIRONMENTAL QUALITY	7.9	0.0	0.0	7.9	8.9	0.0	0.0	0.0	0.0	8.9	16.9
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.1	0.0	1.4	1.4
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	4.1
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	8.0	8.0	3.3	0.0	0.0	0.0	0.0	3.3	11.3
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	1.4	1.4	3.4	0.0	0.0	0.0	0.0	3.4	4.8
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.1	0.1	0.8	0.0	0.0	0.0	0.0	0.8	0.9
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01: CORN	0.3	0.0	0.0	0.3	9.2	0.0	0.0	0.0	0.0	9.2	9.5
RP 3.03: WHEAT	0.1	0.0	0.0	0.1	1.1	0.0	0.0	0.0	0.0	1.1	1.2
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.9	0.0	0.0	0.9	1.3	0.0	0.0	0.0	0.0	1.3	2.3
RP 3.06: SOYBEANS	6.6	0.0	0.0	6.6	0.3	0.0	0.0	0.0	0.0	0.3	7.0
RP 3.09: FORAGE, RANGE, & PASTURE	11.0	0.0	0.0	11.0	5.7	0.0	0.0	0.0	0.0	5.7	16.7
RP 3.11: TOBACCO	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.13: FRUIT	8.1	0.0	0.0	8.1	9.6	0.0	0.0	0.0	0.0	9.6	17.7
RP 3.14: VEGETABLE CROPS	12.8	0.0	0.0	12.8	8.5	0.0	0.0	0.0	0.0	8.5	21.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
RP 3.19: NONSPECIFIC PLANTS	0.1	0.0	0.0	0.1	3.7	0.0	0.0	0.0	0.0	3.7	3.8
RP 4.01: BEEF	14.2	0.0	0.0	14.2	1.9	0.0	0.0	1.0	0.0	2.9	17.1
RP 4.02: DAIRY	27.2	0.0	0.0	27.2	8.8	0.0	0.0	3.7	0.0	12.6	39.8
RP 4.03: POULTRY	2.6	0.0	0.0	2.6	11.1	0.0	0.0	0.2	0.3	11.6	14.2
RP 4.04: SHEEP	1.8	0.0	0.0	1.8	1.7	0.0	0.0	0.3	0.0	2.1	3.9
RP 4.05: SWINE	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.1	0.0	4.0	4.0
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.2	0.0	0.0	12.5	0.0	12.7	12.7
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.3	0.0	1.6	1.6
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	8.3	8.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1

PENNSYLVANIA

	ARS/HNIS /OICO	USOA ERS/ ACS	USOA PS TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.1	0.0	0.0	9.6	0.0	0.0	0.0	0.0	9.6	9.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	6.3	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	7.4
RP 8.01: HUMAN NUTRITION	0.3	0.0	0.0	4.3	0.0	0.0	0.0	0.6	4.9	5.2
RP 8.02: FOOD PROCESSING	1.9	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	3.2
RP 8.03: FOOD SAFETY	21.7	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	24.1
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	135.7	0.0	13.7	149.4	146.3	0.0	0.0	18.6	165.8	315.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988								REGION 1				
RESEARCH PROGRAM SUMMARY								RHODE ISLAND				
			+	USDA	+		OTHER INSTITUTIONS					
		ARS/HNIS	ERS/	USDA	SAES	1890/	FRSTRY	VET				
		/OICD	ACS	FS	TOTAL	TUSK	SCH	SCH	OTHR	TOTAL	GRAND	
											TOTAL	
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2	1.2
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	1.8	1.8
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	3.2	3.2
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	3.3	3.3
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	1.8	1.8
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	3.3	3.3
RP	8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
GRAND TOTAL			0.0	0.0	0.0	0.0	25.9	0.0	0.0	0.0	25.9	25.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

		REGION 1										
		VERMONT										
		ARS/HNIS /OICD	USDA ERS/ ACS	USDA FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VER SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	1.0	1.0	0.5	0.0	0.4	0.0	0.0	0.9	1.9
RP	2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	0.6
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	3.0	3.0	2.1	0.0	0.5	0.0	0.0	2.6	6.6
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.3	4.3	0.4	0.0	0.6	0.0	0.0	1.0	6.3
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	3.1	3.1	0.0	0.0	0.5	0.0	0.0	0.6	3.6
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
RP	3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.6
RP	4.01: BEEF	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
RP	5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	0.9
RP	6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	6.03: MARKETING & COMPETITION	0.0	0.0	0.1	0.1	0.7	0.0	0.0	0.0	0.0	0.7	0.8
RP	7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
GRAND TOTAL		0.0	0.0	11.6	11.6	22.3	0.0	4.0	0.0	0.2	28.6	38.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 1

WEST VIRGINIA

		ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	4.8	0.0	0.0	4.8	3.2	0.0	0.0	0.0	0.0	3.2	8.1
RP	1.02: WATER & WATERSHEDS	2.2	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	3.2	3.2	1.4	0.0	0.0	0.0	0.0	1.4	4.6
RP	2.03: FOREST PROTECTION	0.0	0.0	3.3	3.3	1.6	0.0	0.0	0.0	0.0	1.6	4.9
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	14.9	14.9	2.4	0.0	0.0	0.0	0.0	2.4	17.4
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.2	2.2	0.9	0.0	0.0	0.0	0.0	0.9	3.1
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.01: CORN	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.3
RP	3.09: FORAGE, RANGE, & PASTURE	5.3	0.0	0.0	5.3	4.2	0.0	0.0	0.0	0.0	4.2	9.5
RP	3.13: FRUIT	19.8	0.0	0.0	19.8	6.1	0.0	0.0	0.0	0.0	6.1	25.9
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	3.19: NONSPECIFIC PLANTS	1.1	0.0	0.0	1.1	0.2	0.0	0.0	0.0	0.0	0.2	1.4
RP	4.01: BEEF	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	4.05: SWINE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	5.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	5.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
GRAND TOTAL		33.8	0.0	23.7	57.5	41.5	0.0	0.0	0.0	0.0	41.5	99.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

ALABAMA

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	ALABAMA TUSKEG	OTHER INSTITUTIONS ALABAMA NORMAL	OTHER INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	7.9	0.0	0.0	7.9	3.2	0.2	0.0	0.0	0.0	3.4	11.3
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	0.9
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	4.9	4.9	4.1	0.0	0.5	0.0	0.0	4.6	9.5
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	2.1	2.1	6.9	0.0	0.0	0.0	0.0	6.9	9.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01: CORN	0.1	0.0	0.0	0.1	1.2	0.0	0.0	0.0	0.0	1.2	1.3
RP 3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.5	0.0	0.2	0.0	0.0	0.8	0.8
RP 3.03: WHEAT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.4
RP 3.06: SOYBEANS	0.1	0.0	0.0	0.1	6.1	0.0	3.2	0.0	0.0	9.4	9.5
RP 3.07: PEANUTS	0.0	0.0	0.0	0.0	2.5	0.0	0.1	0.0	0.0	2.6	2.6
RP 3.08: SUGAR	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
RP 3.09: FORAGE, RANGE, & PASTURE	0.1	0.0	0.0	0.1	2.2	0.0	0.3	0.0	0.0	2.5	2.6
RP 3.10: COTTON	0.1	0.0	0.0	0.1	2.4	0.0	0.0	0.0	0.0	2.4	2.5
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	2.9	0.0	0.6	0.0	0.0	3.5	3.5
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	5.4	4.6	0.3	0.0	0.0	10.4	10.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.17: WEEOS IN CROPS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19: NONSPECIFIC PLANTS	2.6	0.0	0.0	2.6	1.6	0.0	0.0	0.0	0.0	1.6	4.3
RP 4.01: BEEF	2.6	0.0	0.0	2.6	5.4	0.0	0.3	4.4	0.0	11.2	13.8
RP 4.02: DAIRY	1.1	0.0	0.0	1.1	5.0	0.0	0.0	0.7	0.0	5.8	6.9
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	5.9	0.4	0.0	0.5	0.2	6.2	6.2
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.1	0.0	1.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

ALABAMA

	USDA		USDA		OTHER INSTITUTIONS						GRAND
	ARS/HNIS /OICD	ERS/ ACS	FS	TOTAL	SAES	ALABAM TUSKEG	ALABAM NORMAL	VET SCH	OTHR	TOTAL	
RP 4.05: SWINE	0.0	0.0	0.0	0.0	3.5	0.8	0.0	1.0	0.0	5.3	5.3
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	2.1	0.0	0.0	2.1	0.2	2.4	0.4	2.1	0.0	5.1	7.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.1	0.0	0.0	0.1	7.2	0.0	0.0	1.3	0.0	8.5	8.6
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.9	0.1	0.4	0.0	0.0	1.4	1.4
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.0	0.0	0.3	0.0	0.0	1.3	1.3
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.1	0.4	1.4	0.0	0.0	4.0	4.0
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.5	0.0	0.2	0.0	0.0	4.7	4.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	1.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	2.6	0.0	0.2	0.0	0.0	2.8	2.8
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.9	0.7	0.4	0.0	0.0	3.0	3.0
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.3	0.0	0.2	0.0	0.0	2.6	2.6
GRAND TOTAL	17.0	0.0	7.0	24.0	112.4	8.8	12.0	10.4	0.2	144.8	168.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

ARKANSAS

			+	USDA		+		OTHER INSTITUTIONS				+		
			ARS/HNIS /DICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL	
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4	
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6	
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5	
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	6.4	6.4	5.0	0.0	0.0	0.0	0.0	5.0	11.4	
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4	
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	
RP	3.01:	CORN	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6	
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1	
RP	3.03:	WHEAT	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9	
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.5	0.7	
RP	3.05:	RICE	1.8	0.0	0.0	1.8	7.3	0.0	0.0	0.0	0.0	7.3	9.1	
RP	3.06:	SOYBEANS	0.1	0.0	0.0	0.1	10.9	0.0	0.0	0.0	0.0	10.9	11.1	
RP	3.07:	PEANUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
RP	3.09:	FORAGE, RANGE, & PASTURE	2.2	0.0	0.0	2.2	2.7	0.7	0.0	0.0	0.0	3.5	5.8	
RP	3.10:	COTTON	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2	
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	1.3	0.0	0.0	0.0	1.4	1.4	
RP	3.13:	FRUIT	1.5	0.0	0.0	1.5	2.4	0.0	0.0	0.0	0.0	2.4	4.0	
RP	3.14:	VEGETABLE CROPS	0.1	0.0	0.0	0.1	6.7	0.5	0.0	0.0	0.0	7.2	7.4	
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8	
RP	3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	
RP	4.01:	BEEF	0.7	0.0	0.0	0.7	7.7	0.0	0.0	0.0	0.0	7.7	8.5	
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3	
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	8.2	0.8	0.0	0.0	0.0	9.1	9.1	
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2	
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	3.7	3.7	
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

ARKANSAS

			+-----+ USDA		+-----+ OTHER INSTITUTIONS					+-----+		GRAND TOTAL	
			ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	PRSTRY SCH	VET SCH	DTHR		TOTAL
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.3	0.8	0.0	0.0	0.0	1.8	1.8
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.3	0.1	0.0	0.0	0.0	2.4	2.4
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP	7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.3	0.1	0.0	0.0	0.0	1.4	1.4
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL			7.0	0.0	6.4	13.4	109.0	8.3	0.0	0.0	0.0	117.3	130.7

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

REGION 2

FLORIDA

			ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	0.3	0.0	0.0	0.3	10.8	1.0	0.0	0.0	0.0	11.8	12.2
RP	1.02:	WATER & WATERSHEDS	5.7	0.0	0.0	5.7	10.8	2.0	0.0	0.0	0.0	12.8	18.6
RP	1.03:	RECREATION	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	12.2	12.2
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	2.7	1.0	0.0	0.5	0.0	4.2	4.2
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	1.08:	AQUATIC WEEDS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	3.1	3.1	12.5	0.0	0.0	0.0	0.0	12.5	15.6
RP	2.03:	FOREST PROTECTION	0.0	0.0	3.5	3.5	4.6	0.0	0.0	0.0	0.0	4.6	8.1
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	1.4	1.4	2.7	0.0	0.0	0.0	0.0	2.7	4.2
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.1	1.1	6.5	0.0	0.0	0.0	0.0	6.5	7.6
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	3.01:	CORN	4.8	0.0	0.0	4.8	6.1	0.0	0.0	0.0	0.0	6.1	11.0
RP	3.02:	GRAIN SORGHUM	1.2	0.0	0.0	1.2	1.1	0.0	0.0	0.0	0.0	1.1	2.4
RP	3.03:	WHEAT	2.5	0.0	0.0	2.5	2.0	0.0	0.0	0.0	0.0	2.0	4.5
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.2	0.0	0.0	0.2	3.0	0.0	0.0	0.0	0.0	3.0	3.2
RP	3.05:	RICE	0.6	0.0	0.0	0.6	0.8	0.0	0.0	0.0	0.0	0.8	1.4
RP	3.06:	SOYBEANS	1.8	0.0	0.0	1.8	7.2	0.0	0.0	0.0	0.0	7.2	9.2
RP	3.07:	PEANUTS	1.0	0.0	0.0	1.0	5.7	0.7	0.0	0.0	0.0	6.4	7.5
RP	3.08:	SUGAR	7.2	0.0	0.0	7.2	2.4	0.0	0.0	0.0	0.0	2.4	9.6
RP	3.09:	FORAGE, RANGE, & PASTURE	5.7	0.0	0.0	5.7	26.2	0.0	0.0	0.0	0.0	26.2	31.9
RP	3.10:	COTTON	2.2	0.0	0.0	2.2	0.1	0.0	0.0	0.0	0.0	0.1	2.4
RP	3.11:	TOBACCO	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	3.12:	NEW CROPS & MINOR OILSEEDS	1.4	0.0	0.0	1.4	2.3	0.0	0.0	0.0	0.0	2.3	3.7
RP	3.13:	FRUIT	38.6	0.0	0.0	38.6	55.1	0.0	0.0	0.0	0.0	55.1	103.7
RP	3.14:	VEGETABLE CROPS	4.3	0.0	0.0	4.3	51.8	1.0	0.0	0.0	0.0	52.8	57.2
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.5	0.0	0.0	0.5	28.6	0.0	0.0	0.0	0.0	28.6	29.2
RP	3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.19:	NONSPECIFIC PLANTS	9.4	0.0	0.0	9.4	13.8	0.0	0.0	0.0	0.7	14.3	23.8
RP	4.01:	BEEF	4.2	0.0	0.0	4.2	23.0	0.3	0.0	2.3	0.2	25.8	30.1

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988								REGION 2				
RESEARCH PROGRAM SUMMARY								FLORIDA				

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 2

RESEARCH PROGRAM SUMMARY

GEORGIA

			+-----+ ARS/HNIS /OICD		USDA ERS/ ACS		-----+ FS USDA TOTAL		+-----+ SAES 1880/ TUSK		OTHER INSTITUTIONS FRSTRY SCH		-----+ VET SCH		-----+ OTHR TOTAL		GRAND TOTAL	
RP	1.01:	SOIL & LAND USE	3.6		0.0		0.0	3.6	4.6	0.1	0.0	0.0	0.0	0.0	0.0	4.7		8.3
RP	1.02:	WATER & WATERSHEDS	8.9		0.0		0.0	8.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3		12.2
RP	1.04:	ENVIRONMENTAL QUALITY	1.6		0.0		0.0	1.6	2.5	0.0	0.0	2.6	0.0	0.0	0.0	5.1		6.7
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0		0.0		1.9	1.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.4		2.3
RP	2.02:	TIMBER MANAGEMENT	0.0		0.0		10.7	10.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	5.5		16.2
RP	2.03:	FOREST PROTECTION	0.0		0.0		15.0	15.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6		15.6
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0		0.0		7.3	7.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0	4.6		11.9
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0		0.0		3.9	3.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1		5.0
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0		0.0		0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5		1.5
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0		0.0		1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1.4
RP	2.08:	ALTERNATE USES OF LAND	0.0		0.0		0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2		0.2
RP	2.09:	TECHNICAL ASSISTANCE	0.6		0.0		0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.6
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0		0.0		0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9		0.9
RP	3.01:	CORN	14.3		0.0		0.0	14.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8		17.2
RP	3.02:	GRAIN SORGHUM	1.8		0.0		0.0	1.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	3.5		5.4
RP	3.03:	WHEAT	6.0		0.0		0.0	6.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	6.2		12.3
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.3		0.0		0.0	0.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3		1.6
RP	3.05:	RICE	0.8		0.0		0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.8
RP	3.06:	SOYBEANS	1.2		0.0		0.0	1.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0	5.5		6.7
RP	3.07:	PEANUTS	14.5		0.0		0.0	14.5	7.2	0.0	0.0	0.0	0.0	0.0	0.0	7.2		21.8
RP	3.08:	SUGAR	0.0		0.0		0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1		0.1
RP	3.09:	FORAGE, RANGE, & PASTURE	14.7		0.0		0.0	14.7	7.7	0.1	0.0	0.0	0.0	0.0	0.0	7.8		22.6
RP	3.10:	COTTON	1.6		0.0		0.0	1.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.4		4.0
RP	3.11:	TOBACCO	6.5		0.0		0.0	6.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1		8.6
RP	3.12:	NEW CROPS & MINOR OILSEEDS	1.1		0.0		0.0	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6		1.8
RP	3.13:	FRUIT	18.9		0.0		0.0	18.9	15.7	0.7	0.0	0.0	0.0	0.0	0.0	16.4		35.4
RP	3.14:	VEGETABLE CROPS	7.8		0.0		0.0	7.8	16.4	4.2	0.0	0.0	0.0	0.0	0.0	20.6		28.5
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.2		0.0		0.0	0.2	7.8	0.2	0.0	0.0	0.0	0.0	0.0	8.0		8.2
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
RP	3.17:	WEEDS IN CROPS	0.0		0.0		0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4		0.4
RP	3.18:	NONSPECIFIC PLANTS	6.4		0.0		0.0	6.4	10.5	0.0	0.0	0.0	0.0	1.0	11.5		18.0	
RP	4.01:	BEEF	1.5		0.0		0.0	1.5	7.8	0.0	0.0	1.4	0.0	0.0	0.0	9.2		10.7
RP	4.02:	DAIRY	0.0		0.0		0.0	0.0	5.7	0.0	0.0	2.6	0.0	0.0	0.0	8.3		8.3
RP	4.03:	POULTRY	20.9		0.0		0.0	20.9	10.9	0.3	0.0	13.9	0.0	0.0	0.0	25.1		46.0
RP	4.04:	SHEEP	1.1		0.0		0.0	1.1	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.8		1.9
RP	4.05:	SWINE	6.0		0.0		0.0	6.0	4.0	0.0	0.0	3.0	0.0	0.0	0.0	7.1		13.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

REGION 2 GEORGIA												
		USDA		USDA		OTHER INSTITUTIONS						GRAND TOTAL
		ARS/HNIS /OICD	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	PRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.1	0.0	0.0	0.1	0.0	2.0	0.0	3.7	0.0	5.7	5.8
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	3.4	0.0	4.1	4.1
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.0	0.0	1.2	1.2
RP 4.09:	INVERTEBRATES	2.5	0.0	0.0	2.5	0.8	0.0	0.0	0.0	0.0	0.8	3.3
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.0	0.0	1.0	1.0
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.8	0.6
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	0.4	0.0	0.1	0.0	1.8	1.8
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.5	0.5	0.0	0.0	0.0	5.0	5.0
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	8.0	1.0	0.0	0.0	0.0	9.0	9.0
RP 7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.2	0.0	0.0	2.2	1.3	0.0	0.0	1.4	0.0	2.7	4.9
RP 8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.8	0.3	0.0	0.0	0.0	4.2	4.2
RP 8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	0.8	0.7	0.0	0.0	0.0	1.5	1.5
RP 8.03:	FOOD SAFETY	22.0	0.0	0.0	22.0	5.0	0.0	0.0	0.0	0.0	5.0	27.1
RP 8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	1.4	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4
GRAND TOTAL		169.5	0.0	40.3	209.8	176.3	11.6	0.0	34.2	1.0	223.1	432.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

												REGION 2
												KENTUCKY
		ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FARMSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1	1.1
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	2.4	0.4	0.0	0.0	0.0	2.8	2.8
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.4	4.4	2.4	0.0	0.0	0.0	0.0	2.4	6.8
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01:	CORN	0.0	0.0	0.0	0.0	3.8	0.4	0.0	0.0	0.0	4.3	4.3
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	1.8	0.1	0.0	0.0	0.0	2.0	2.0
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	6.4	0.8	0.0	0.0	0.0	7.3	7.3
RP 3.09:	FORAGE, RANGE, & PASTURE	2.0	0.0	0.0	2.0	9.7	0.5	0.0	0.0	0.0	10.3	12.3
RP 3.11:	TOBACCO	5.0	0.0	0.0	5.0	13.6	0.0	0.0	0.0	0.0	13.6	18.6
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	7.0	0.4	0.0	0.0	0.0	7.4	7.4
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	8.0	8.0
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	0.0	10.8	10.8
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1	1.1
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.2	1.3	0.0	0.0	0.0	2.5	2.5
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.4	1.2	0.0	0.0	0.0	1.7	1.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

REGION 2 KENTUCKY												
			USDA		USDA		OTHER INSTITUTIONS					
			ARS/HNIS /DICO	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	5.5	1.3	0.0	0.0	0.0	6.8
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3
RP	5.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	7.2	0.3	0.0	0.0	0.0	7.5
RP	5.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.8	0.1	0.0	0.0	0.0	4.9
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.7	0.5	0.0	0.0	0.0	2.3
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.4
GRAND TOTAL			7.0	0.0	4.4	11.4	127.5	10.2	0.0	0.0	0.0	137.7
												149.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 2

RESEARCH PROGRAM SUMMARY

LOUISIANA

			USDA		USDA	OTHER INSTITUTIONS			OTHER INSTITUTIONS		OTHER INSTITUTIONS		GRAND TOTAL
			ARS/HNIS /DIED	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP	1.01:	SOIL & LAND USE	0.9	0.0	0.0	0.9	7.2	0.0	0.0	0.0	0.0	7.2	8.1
RP	1.02:	WATER & WATERSHEDS	2.1	0.0	0.7	2.8	1.1	0.0	0.0	0.0	0.0	1.1	4.0
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	1.04:	ENVIRONMENTAL QUALITY	4.6	0.0	0.0	4.6	2.2	0.0	0.0	0.0	0.0	2.2	6.8
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.6	0.0	2.4	2.4
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.8	0.8
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	8.7	8.7	3.3	0.0	1.0	0.0	0.0	4.4	13.1
RP	2.03:	FOREST PROTECTION	0.0	0.0	5.1	5.1	1.3	0.0	0.6	0.0	0.0	1.9	7.0
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	8.8	8.8	3.5	0.0	0.3	0.0	0.1	3.9	12.8
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.6	0.6
RP	2.08:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.1	0.5
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.2	0.2	2.1	0.0	0.0	0.0	0.0	2.1	2.3
RP	2.09:	TECHNICAL ASSISTANCE	1.7	0.0	0.0	1.7	0.2	0.0	0.0	0.0	0.0	0.2	2.0
RP	3.01:	CORN	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	3.03:	WHEAT	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.05:	RICE	3.3	0.0	0.0	3.3	15.8	0.0	0.0	0.0	0.0	15.8	19.1
RP	3.06:	SOYBEANS	9.7	0.0	0.0	9.7	15.1	0.0	0.0	0.0	0.0	15.1	24.8
RP	3.07:	PEANUTS	3.6	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	3.6
RP	3.08:	SUGAR	8.5	0.0	0.0	8.5	8.2	0.0	0.0	0.0	0.0	8.2	16.7
RP	3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.4	0.4	16.4	0.0	0.0	0.0	0.0	16.4	16.8
RP	3.10:	COTTON	55.7	0.0	0.0	55.7	10.1	0.0	0.0	0.0	0.0	10.1	65.8
RP	3.12:	NEW CROPS & MINOR DILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	8.8	8.8
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	16.8	1.1	0.0	0.0	0.0	17.9	17.9
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
RP	3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.19:	NONSPECIFIC PLANTS	1.4	0.0	0.0	1.4	2.0	0.0	0.0	0.0	0.4	2.4	3.8
RP	4.01:	BEEF	1.3	0.0	0.0	1.3	18.0	0.4	0.0	2.1	0.0	20.5	21.9
RP	4.02:	DAIRY	1.8	0.0	0.0	1.8	14.8	0.4	0.0	2.3	0.0	17.5	19.1
RP	4.03:	POULTRY	1.4	0.0	0.0	1.4	5.7	1.0	0.0	0.9	0.0	7.6	9.1
RP	4.04:	SHEEP	0.2	0.0	0.0	0.2	0.4	0.0	0.0	1.0	0.0	1.4	1.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

LOUISIANA

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.05: SWINE	0.0	0.0	0.0	0.0	1.3	0.6	0.0	1.2	0.0	3.1	3.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.4	0.0	0.0	4.0	0.3	6.7	6.7
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	5.9	0.0	0.0	5.9	11.1	0.0	0.0	0.6	0.0	11.7	18.6
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.3	0.6	0.0	0.0	0.0	2.9	2.9
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.4	1.2	0.0	0.0	0.0	5.6	5.6
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.5	0.0	0.0	2.5	4.1	0.0	0.0	0.0	0.0	4.1	6.6
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.5	0.9	0.0	0.0	0.0	3.4	3.4
RP 8.03: FOOD SAFETY	10.9	0.0	0.0	10.9	0.1	0.0	0.0	0.0	0.0	0.1	11.0
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 9.01: UNCLASSIFIED	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
GRAND TOTAL	126.7	0.0	24.5	151.2	219.7	6.2	2.7	13.0	0.8	242.4	393.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

MISSISSIPPI

		ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	4.5	0.0	0.0	4.5	5.2	0.0	0.0	0.0	0.0	5.2	9.7
RP	1.02: WATER & WATERSHEDS	12.1	0.0	0.0	12.1	1.0	0.0	0.0	0.0	0.0	1.0	13.1
RP	1.04: ENVIRONMENTAL QUALITY	2.8	0.0	0.0	2.8	4.4	0.4	0.0	0.0	0.0	4.8	7.6
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.8	0.0	0.0	1.8	1.0	0.0	0.0	0.0	0.0	1.0	2.8
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	5.8	5.8	3.0	0.0	0.0	0.0	0.0	3.0	8.8
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	9.1	9.1	4.0	0.0	0.0	0.0	0.0	4.0	13.1
RP	2.03: FOREST PROTECTION	0.0	0.0	8.0	8.0	1.4	0.0	0.0	0.0	0.0	1.4	9.4
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0	27.8	27.8
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	5.1	5.1	1.5	0.0	0.0	0.0	0.0	1.5	6.6
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.09: TECHNICAL ASSISTANCE	3.3	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
RP	2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	5.2
RP	2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.01: CORN	5.6	0.0	0.0	5.6	1.6	0.0	0.0	0.0	0.0	1.6	7.2
RP	3.02: GRAIN SORGHUM	0.4	0.0	0.0	0.4	7.4	0.0	0.0	0.0	0.0	7.4	7.8
RP	3.03: WHEAT	0.7	0.0	0.0	0.7	3.0	0.0	0.0	0.0	0.0	3.0	3.8
RP	3.05: RICE	0.2	0.0	0.0	0.2	5.4	0.0	0.0	0.0	0.0	5.4	5.6
RP	3.06: SOYBEANS	13.7	0.0	0.0	13.7	13.2	0.0	0.0	0.0	0.0	13.2	27.0
RP	3.09: FORAGE, RANGE, & PASTURE	8.0	0.0	0.0	8.0	6.2	0.4	0.0	0.0	0.0	6.6	14.6
RP	3.10: COTTON	45.3	0.0	0.0	45.3	22.4	0.0	0.0	0.0	0.0	22.4	67.8
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.13: FRUIT	5.0	0.0	0.0	5.0	5.0	0.8	0.0	0.0	0.0	5.8	10.8
RP	3.14: VEGETABLE CROPS	0.2	0.0	0.0	0.2	5.9	0.6	0.0	0.0	0.0	6.6	6.8
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP	3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	3.18: SEEDS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.19: NONSPECIFIC PLANTS	0.6	0.0	0.0	0.6	1.0	0.0	0.0	0.0	0.0	1.0	1.6
RP	4.01: BEEF	0.8	0.0	0.0	0.8	8.1	0.4	0.0	0.0	0.0	8.5	9.4
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	5.6	0.9	0.0	0.0	0.0	6.5	6.5
RP	4.03: POULTRY	4.0	0.0	0.0	4.0	17.9	0.5	0.0	0.0	0.0	18.4	22.4
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	4.05: SWINE	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	16.9	0.0	0.0	0.0	0.0	16.9	16.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1968
RESEARCH PROGRAM SUMMARY

REGION 2											
MISSISSIPPI											
	ARS/HNIS /DIED	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.7	0.7
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.2	1.0	0.0	0.0	0.0	3.2	3.2
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.4	0.2	0.0	0.0	0.0	4.7	4.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.0	0.0	0.9	0.9
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
GRAND TOTAL	111.5	0.0	33.2	144.7	209.8	6.8	0.0	0.0	0.0	216.7	361.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 2

RESEARCH PROGRAM SUMMARY

NORTH CAROLINA

			USDA		USDA	OTHER INSTITUTIONS			OTHER INSTITUTIONS		OTHER INSTITUTIONS		GRAND TOTAL
			ARS/HNIS /OICD	ERS/ ACS	FS	TOTAL	SAES	1880/ TUSK	PRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 1.01:	SOIL & LAND USE		0.0	0.0	0.0	0.0	7.6	0.5	0.0	0.0	0.0	8.2	8.2
RP 1.02:	WATER & WATERSHEDS		0.0	0.0	0.0	0.0	3.3	0.1	0.0	0.0	0.0	3.4	3.4
RP 1.03:	RECREATION		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.04:	ENVIRONMENTAL QUALITY		5.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	5.0	10.0
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY		0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 1.06:	FISH & WILDLIFE		0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 1.07:	REMOTE SENSING		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES		0.0	0.0	12.0	12.0	0.1	0.0	0.0	0.0	0.0	0.1	12.1
RP 2.02:	TIMBER MANAGEMENT		0.0	0.0	8.8	8.8	11.6	0.0	0.0	0.0	0.0	11.6	20.5
RP 2.03:	FOREST PROTECTION		0.0	0.0	1.8	1.8	2.8	0.0	0.0	0.0	0.0	2.8	4.7
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS		0.0	0.0	2.1	2.1	8.5	0.0	0.0	0.0	0.0	8.5	10.6
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION		0.0	0.0	3.7	3.7	1.9	0.0	0.0	0.0	0.0	1.9	5.6
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT		0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES		0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.08:	ALTERNATE USES OF LAND		0.0	0.0	1.1	1.1	0.1	0.0	0.0	0.0	0.0	0.1	1.2
RP 2.09:	TECHNICAL ASSISTANCE		0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.11:	FOREST & RANGE RESOURCES		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01:	CORN		3.4	0.0	0.0	3.4	10.4	0.2	0.0	0.0	0.0	10.7	14.2
RP 3.02:	GRAIN SORGHUM		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.03:	WHEAT		0.7	0.0	0.0	0.7	0.9	0.0	0.0	0.0	0.0	0.9	1.7
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT		0.2	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.4	0.6
RP 3.05:	RICE		0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.06:	SOYBEANS		6.9	0.0	0.0	6.9	9.4	1.2	0.0	0.0	0.0	10.6	17.6
RP 3.07:	PEANUTS		5.0	0.0	0.0	5.0	4.9	0.0	0.0	0.0	0.0	4.9	9.9
RP 3.09:	FORAGE, RANGE, & PASTURE		1.4	0.0	0.0	1.4	3.1	0.3	0.0	0.0	0.0	3.4	4.8
RP 3.10:	COTTON		0.2	0.0	0.0	0.2	2.0	0.0	0.0	0.0	0.0	2.0	2.2
RP 3.11:	TOBACCO		9.0	0.0	0.0	9.0	17.1	0.0	0.0	0.0	0.0	17.1	26.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS		0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.13:	FRUIT		0.0	0.0	0.0	0.0	14.1	0.0	0.0	0.0	0.0	14.1	14.1
RP 3.14:	VEGETABLE CROPS		4.0	0.0	0.0	4.0	14.9	0.3	0.0	0.0	0.0	15.2	19.2
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT		0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	7.2	7.2
RP 3.16:	BEEES & OTHER POLLINATING INSECTS		0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.17:	WEEDS IN CROPS		0.9	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.9	1.8
RP 3.18:	SEEDS		0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.19:	NONSPECIFIC PLANTS		3.2	0.0	0.0	3.2	7.1	0.0	0.0	0.0	0.0	7.1	10.4
RP 4.01:	BEEF		0.3	0.0	0.0	0.3	6.8	0.5	0.0	0.0	0.0	7.1	7.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

NORTH CAROLINA

	USDA				OTHER INSTITUTIONS						GRAND TOTAL
	ARS/HNIS /DICO	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 4.02: DAIRY	0.2	0.0	0.0	0.2	9.4	0.1	0.0	0.0	0.0	9.5	9.7
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	1.8	15.8	15.8
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.05: SWINE	0.0	0.0	0.0	0.0	7.5	0.9	0.0	0.0	0.0	8.4	8.4
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.1	0.1	0.0	0.0	0.0	4.3	4.3
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0	6.0
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.5	1.1	0.0	0.0	0.0	3.6	3.6
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.7	0.7
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.1	1.9	0.0	0.0	0.0	5.0	5.0
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.9	0.9	0.0	0.0	0.0	5.8	5.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	8.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.7	0.8	0.0	0.0	0.0	3.5	3.5
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	3.4	0.0	0.0	3.4	14.3	0.0	0.0	0.0	0.0	14.3	17.7
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.1	1.3	0.0	0.0	0.0	4.4	4.4
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.9	0.6	0.0	0.0	0.0	3.5	3.5
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
GRAND TOTAL	44.2	0.0	29.6	73.8	239.9	11.3	0.0	0.0	1.8	253.0	326.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

REGION 2
OKLAHOMA

			USDA			OTHER INSTITUTIONS							
			ARS/HNIS /DICO	ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	5.6	0.0	0.0	5.6	5.2	0.3	0.0	0.0	0.0	5.6	11.2
RP	1.02:	WATER & WATERSHEDS	7.7	0.0	0.0	7.7	3.7	0.0	0.0	0.0	0.0	3.7	11.4
RP	1.04:	ENVIRONMENTAL QUALITY	2.5	0.0	0.0	2.5	1.7	0.0	0.0	0.0	0.0	1.7	4.2
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	1.07:	REMOTE SENSING	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	3.02:	GRAIN SORGHUM	0.4	0.0	0.0	0.4	1.8	0.3	0.0	0.0	0.0	2.2	2.6
RP	3.03:	WHEAT	5.3	0.0	0.0	5.3	12.9	0.3	0.0	0.0	0.0	13.3	18.7
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.3	0.0	0.0	0.3	1.1	0.0	0.0	0.0	0.0	1.1	1.4
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	1.3	1.2	0.0	0.0	0.0	2.6	2.6
RP	3.07:	PEANUTS	3.0	0.0	0.0	3.0	1.3	0.0	0.0	0.0	0.0	1.3	4.3
RP	3.09:	FORAGE, RANGE, & PASTURE	8.0	0.0	0.0	8.0	8.1	0.3	0.0	0.0	0.0	8.4	16.5
RP	3.10:	COTTON	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP	3.12:	NEW CROPS & MINOR OILSEEDS	1.1	0.0	0.0	1.1	0.1	0.0	0.0	0.0	0.0	0.1	1.2
RP	3.13:	FRUIT	0.7	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.0	2.7	3.4
RP	3.14:	VEGETABLE CROPS	4.0	0.0	0.0	4.0	6.3	0.7	0.0	0.0	0.0	7.1	11.1
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.2	4.7	4.7
RP	4.01:	BEEF	5.8	0.0	0.0	5.8	15.3	0.0	0.0	0.0	0.0	15.3	22.1
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	4.04:	SHEEP	0.9	0.0	0.0	0.9	0.5	0.0	0.0	0.0	0.0	0.5	1.4
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.4	3.0	0.0	0.0	0.0	3.4	3.4
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	1.2	0.0	0.0	1.2	0.0	0.7	0.0	0.0	0.0	0.7	1.9
RP	4.08:	NONSPECIFIC ANIMALS	0.3	0.0	0.0	0.3	0.8	0.0	0.0	0.0	0.0	0.8	1.1
RP	4.09:	INVERTEBRATES	0.6	0.0	0.0	0.6	1.8	0.0	0.0	0.0	0.0	1.8	2.4
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

OKLAHOMA

	-----+ ARS/HNIS /OICD	USDA ERS/ ACS	-----+ FS	USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	8.8	8.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
GRAND TOTAL	49.2	0.0	0.0	49.2	114.8	7.3	0.0	0.0	0.2	122.3	171.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

REGION 2
PUERTO RICO

			-----+-----	USDA	-----+-----	USDA	-----+-----	OTHER INSTITUTIONS	-----+-----			GRAND	
			ARS/HNIS /DIDC	ERS/ ACS	FS	TOTAL	SAES	1880/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	TOTAL
RP	1.01:	SOIL & LAND USE	2.2	0.0	0.0	2.2	0.8	0.0	0.0	0.0	0.0	0.8	3.0
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	3.5
RP	2.05:	FOREST WATERSHEDS, SDILS, POLLUTION	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
RP	3.01:	CORN	0.5	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.1	0.6
RP	3.02:	GRAIN SDRGHUM	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.05:	RICE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	3.06:	SOYBEANS	0.2	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.3
RP	3.07:	PEANUTS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	10.1	10.1
RP	3.09:	FORAGE, RANGE, & PASTURE	0.2	0.0	0.0	0.2	4.8	0.0	0.0	0.0	0.0	4.8	5.0
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.1	0.0	0.0	0.1	3.7	0.0	0.0	0.0	0.0	3.7	3.9
RP	3.13:	FRUIT	0.4	0.0	0.0	0.4	8.2	0.0	0.0	0.0	0.0	8.2	8.6
RP	3.14:	VEGETABLE CROPS	2.0	0.0	0.0	2.0	16.2	0.0	0.0	0.0	0.0	16.2	18.3
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
GRAND TOTAL			6.8	0.0	4.7	11.5	58.6	0.0	0.0	0.0	0.0	58.6	70.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

SOUTH CAROLINA

		ARS/HNIS /OICD	USDA ERS/ ACS	FS	USOA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	1.4	0.0	0.0	1.4	1.7	0.0	0.0	0.0	0.0	1.7	3.2
RP 1.02:	WATER & WATERSHEDS	3.3	0.0	0.0	3.3	0.9	0.0	0.0	0.0	0.0	0.9	4.2
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.2	0.5	0.0	0.0	0.0	1.7	1.7
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.1	0.0	0.9	0.0	0.0	2.0	2.0
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	4.9	4.9	0.0	0.0	4.7	0.0	0.6	5.3	10.2
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	0.9
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	2.0	2.0
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	1.4	1.4
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.2	3.2	0.1	0.0	0.1	0.0	0.0	0.3	3.5
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.5	0.5
RP 3.01:	CORN	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.06:	SOYBEANS	0.6	0.0	0.0	0.6	7.9	0.0	0.0	0.0	0.0	7.9	8.5
RP 3.07:	PEANUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.08:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	6.0	6.0
RP 3.10:	COTTON	11.5	0.0	0.0	11.5	2.1	0.0	0.0	0.0	0.0	2.1	13.6
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0	9.0
RP 3.14:	VEGETABLE CROPS	12.9	0.0	0.0	12.9	10.5	0.0	0.0	0.0	0.0	10.5	23.5
RP 3.16:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19:	NONSPECIFIC PLANTS	1.0	0.0	0.0	1.0	6.3	0.0	0.0	0.0	0.0	6.3	7.3
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

SOUTH CAROLINA

	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.1	1.7	0.4	0.0	0.0	2.2	2.2
RP 6.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	3.5	0.4	0.0	0.0	5.2	5.2
RP 6.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.1	1.0	0.0	0.0	0.0	3.1	3.1
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.03: MARKETING & COMPETITION	0.6	0.0	0.0	0.6	3.2	0.0	0.0	0.0	0.0	3.2	3.9
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	3.1	0.6	0.0	0.0	0.0	3.7	3.7
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	31.6	0.0	8.1	39.7	94.8	7.3	11.8	0.0	0.6	114.5	154.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

TENNESSEE

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	5.4	0.4	0.0	0.0	0.0	5.8	5.8
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.5	0.1	0.0	0.0	0.0	1.6	1.6
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	2.7	2.7	3.1	0.0	0.0	0.0	0.0	3.1	5.8
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.1	1.7	1.7
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.08: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01: CORN	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.03: WHEAT	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.05: SOYBEANS	1.0	0.0	0.0	1.0	6.7	2.1	0.0	0.0	0.0	8.8	9.8
RP 3.06: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	8.2
RP 3.10: COTTON	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RP 3.11: TOBACCO	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	7.2	0.7	0.0	0.0	0.0	7.9	7.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	9.5	1.7	0.0	0.0	0.0	11.2	11.2
RP 3.16: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.5	2.2	2.2
RP 4.01: BEEF	0.0	0.0	0.0	0.0	8.8	0.4	0.0	0.0	0.1	10.3	10.3
RP 4.02: DAIRY	1.0	0.0	0.0	1.0	7.1	0.0	0.0	0.0	0.0	7.1	8.1
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	1.5	0.2	0.0	0.0	0.0	1.8	1.8
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.05: SWINE	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.7	0.7
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 2

RESEARCH PROGRAM SUMMARY

TENNESSEE

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	2.6	2.6
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.1	0.7	0.0	0.0	0.0	1.8	1.8
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.5	1.5	0.0	0.0	0.0	3.0	3.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.7	0.7	0.0	0.0	0.0	3.4	3.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.1	4.1
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.3	0.3
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.5	0.5	0.0	0.0	0.0	3.1	3.1
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	2.0	0.0	2.7	4.7	110.8	12.9	0.0	0.0	0.8	124.5	129.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

TEXAS

		ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	OTHER INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	11.9	0.0	0.0	11.9	9.9	0.0	0.0	0.0	0.0	10.0	21.9
RP	1.02: WATER & WATERSHEDS	11.3	0.0	0.0	11.3	14.7	0.0	0.1	0.0	0.0	14.8	26.1
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	4.0	0.8	0.0	4.7	0.0	9.6	9.6
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	4.3	0.0	0.3	0.0	0.0	4.6	4.6
RP	1.07: REMOTE SENSING	4.0	0.0	0.0	4.0	0.1	0.0	0.0	0.0	0.0	0.1	4.1
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	1.0	0.0	0.5	0.0	0.0	1.5	1.5
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	2.5	0.0	0.8	0.0	0.0	3.3	3.3
RP	2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	1.0	0.0	0.8	0.0	0.0	1.8	1.8
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	1.2	0.0	0.4	0.0	0.0	1.6	1.6
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.7	0.0	0.3	0.0	0.0	1.1	1.1
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.3	1.3	0.0	0.0	0.2	0.0	0.0	0.2	1.5
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.09: TECHNICAL ASSISTANCE	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP	2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01: CORN	2.2	0.0	0.0	2.2	5.5	0.0	0.0	0.0	0.0	5.5	7.7
RP	3.02: GRAIN SORGHUM	2.8	0.0	0.0	2.8	15.3	0.0	0.0	0.0	0.0	15.3	18.2
RP	3.03: WHEAT	0.2	0.0	0.0	0.2	9.3	0.0	0.0	0.0	0.0	9.3	9.6
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	3.05: RICE	5.0	0.0	0.0	5.0	4.9	0.0	0.0	0.0	0.0	4.9	9.9
RP	3.06: SOYBEANS	0.1	0.0	0.0	0.1	5.3	0.0	0.0	0.0	0.0	5.3	5.4
RP	3.07: PEANUTS	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	7.2	7.2
RP	3.08: SUGAR	1.3	0.0	0.0	1.3	4.3	0.0	0.0	0.0	0.0	4.3	5.6
RP	3.09: FORAGE, RANGE, & PASTURE	13.3	0.0	0.0	13.3	23.4	0.0	0.0	0.0	0.1	23.5	36.9
RP	3.10: COTTON	27.5	0.0	0.0	27.5	25.8	0.0	0.0	0.0	0.0	25.8	54.4
RP	3.12: NEW CROPS & MINOR OILSEEDS	3.4	0.0	0.0	3.4	2.6	0.0	0.0	0.0	0.0	2.6	6.1
RP	3.13: FRUIT	8.4	0.0	0.0	8.4	10.3	0.0	0.0	0.0	0.0	10.3	18.7
RP	3.14: VEGETABLE CROPS	5.1	0.0	0.0	5.1	14.6	2.6	0.0	0.0	0.0	17.2	23.3
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.1	0.0	0.0	0.1	11.8	0.0	0.0	0.0	0.0	11.8	11.9
RP	3.16: BEES & OTHER POLLINATING INSECTS	2.8	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
RP	3.19: NONSPECIFIC PLANTS	15.2	0.0	0.0	15.2	0.8	0.0	0.0	0.0	0.8	1.6	16.9
RP	4.01: BEEF	24.5	0.0	0.0	24.5	23.6	0.0	0.0	1.7	0.0	25.4	49.9
RP	4.02: DAIRY	2.3	0.0	0.0	2.3	8.7	0.6	0.0	1.3	0.0	10.7	13.0
RP	4.03: POULTRY	5.6	0.0	0.0	5.6	7.8	0.0	0.0	0.0	1.0	8.8	14.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988													REGION 2	
RESEARCH PROGRAM SUMMARY													TEXAS	
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TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

VIRGIN ISLANDS

		ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	DTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01: CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.02: GRAIN SORGHUM	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP	3.08: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL		0.2	0.0	0.0	0.2	5.4	0.0	0.0	0.0	0.0	5.4	5.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 2

VIRGINIA

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRTTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	0.0	10.8	10.8
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	4.2	2.2	0.0	0.0	0.0	6.4	6.4
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	5.3	5.3
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.01: CORN	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.03: WHEAT	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.06: SOYBEANS	0.0	0.0	0.0	0.0	5.8	3.8	0.0	0.0	0.0	9.6	9.6
RP 3.07: PEANUTS	3.8	0.0	0.0	3.8	6.9	0.0	0.0	0.0	0.0	6.9	10.8
RP 3.08: SUGAR	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5	0.8	0.8
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	5.5	5.5
RP 3.10: COTTON	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.11: TOBACCO	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	7.8	7.8
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	7.5	3.9	0.0	0.0	0.0	11.4	11.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	9.3	9.3
RP 3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.2	1.4	1.4
RP 4.01: BEEF	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	12.0	12.0
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 4.05: SWINE	0.0	0.0	0.0	0.0	5.9	2.0	0.0	0.0	0.0	7.9	7.9
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1968

RESEARCH PROGRAM SUMMARY

REGION 2

VIRGINIA

	USDA				OTHER INSTITUTIONS						GRAND TOTAL
	ARS/HNIS /DICO	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.1	0.7	0.0	0.0	0.0	0.8	0.8
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.4	0.7	0.0	0.0	0.0	3.1	3.1
RP 5.04: INSECTS AFFECTING MAN AND HIS BUILDINGS	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.2	3.4	3.4
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	15.9	0.0	0.0	0.0	0.0	15.9	15.9
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.4	1.7	0.0	0.0	0.0	2.1	2.1
RP 8.03: FOOD SAFETY	0.1	0.0	0.0	0.1	1.7	0.0	0.0	0.0	0.7	2.4	2.6
GRAND TOTAL	4.1	0.0	0.0	4.1	189.4	15.2	0.0	0.0	1.6	186.2	190.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

												REGION 3
												ILLINOIS
		ARS/HNIS /OICD	USDA ERS/ ACS	PS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	YET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	0.4	0.0	0.0	0.4	13.2	0.0	0.0	0.0	0.0	13.2	13.6
RP	1.02: WATER & WATERSHEDS	0.1	0.0	0.0	0.1	2.0	0.0	0.0	0.0	0.0	2.1	2.2
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.3	0.0	0.1	0.0	0.0	1.4	1.4
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.2
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.0	0.0	0.7	0.7
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	2.5	2.5	2.2	0.0	1.7	0.0	0.0	4.0	6.5
RP	2.03: FOREST PROTECTION	0.0	0.0	1.7	1.7	3.0	0.0	0.0	0.0	0.0	3.0	4.7
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	2.6	2.6	2.6	0.0	0.7	0.0	0.0	3.4	6.0
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.2	2.2	1.8	0.0	1.9	0.0	0.0	3.7	5.9
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.2	2.2	0.3	0.0	0.3	0.0	0.0	0.6	2.8
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.7	0.0	0.1	0.0	0.0	0.8	0.8
RP	2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.01: CORN	35.3	0.0	0.0	35.3	20.4	0.0	0.0	0.0	0.0	20.4	55.8
RP	3.02: GRAIN SORGHUM	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP	3.03: WHEAT	6.8	0.0	0.0	6.8	3.6	0.0	0.0	0.0	0.2	3.8	10.6
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	1.4	0.0	0.0	1.4	2.0	0.0	0.0	0.0	0.0	2.0	3.4
RP	3.06: SOYBEANS	50.0	0.0	0.0	50.0	13.7	0.0	0.0	0.0	0.0	13.7	63.7
RP	3.08: SUGAR	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.09: FORAGE, RANGE, & PASTURE	1.5	0.0	0.0	1.5	3.6	0.0	0.0	0.0	0.0	3.6	5.1
RP	3.10: COTTON	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP	3.11: TOBACCO	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.12: NEW CROPS & MINOR OILSEEDS	8.4	0.0	0.0	8.4	1.2	0.0	0.0	0.0	0.0	1.2	9.7
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	5.3	5.3
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP	3.17: WEEDS IN CROPS	3.5	0.0	0.0	3.5	0.4	0.0	0.0	0.0	0.0	0.4	3.9
RP	3.18: SEEDS	3.7	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	3.7
RP	3.19: NONSPECIFIC PLANTS	12.5	0.0	0.0	12.5	2.4	0.0	0.0	0.0	0.0	2.4	15.0
RP	4.01: BEEF	0.6	0.0	0.0	0.6	7.3	0.0	0.0	0.0	0.0	7.3	8.0
RP	4.02: DAIRY	1.0	0.0	0.0	1.0	9.3	0.0	0.0	0.0	0.0	9.3	10.4
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP	4.04: SHEEP	0.6	0.0	0.0	0.6	1.9	0.0	0.0	0.0	0.0	1.9	2.6
RP	4.05: SWINE	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.4	7.1	7.1
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 3

RESEARCH PROGRAM SUMMARY

ILLINOIS

	ARS/HNIS /OICD	USDA ERS/ ACS	USDA FS TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	3.9	3.9
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2	1.2
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP 5.04: INSECTS AFFECTING MAN AND HIS BELDNGINGS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	8.6	8.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.9	0.0	0.0	0.9	2.9	0.0	0.0	0.0	2.9	3.8
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0	4.0
RP 7.01: MANMADE RESOURCES	3.1	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	3.1
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPS	14.5	0.0	0.0	14.5	7.8	0.0	0.0	0.3	8.1	22.6
RP 8.01: HUMAN NUTRITION	5.2	0.0	0.0	5.2	5.2	0.0	0.0	0.0	5.2	10.4
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 8.03: FOOD SAFETY	12.8	0.0	0.0	12.8	2.1	0.0	0.0	0.0	2.1	15.0
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
GRAND TOTAL	163.8	0.0	11.2	175.0	185.0	0.0	5.5	0.0	171.5	346.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988										REGION 3										
RESEARCH PROGRAM SUMMARY										INDIANA				GRAND TOTAL						
										ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP	1.01:	SOIL & LAND USE								6.4	0.0	0.0	6.4	7.0	0.0	0.0	0.0	0.0	7.0	13.5
RP	1.02:	WATER & WATERSHEOS								0.1	0.0	0.0	0.1	1.2	0.0	0.0	0.0	0.0	1.2	1.4
RP	1.04:	ENVIRONMENTAL QUALITY								0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY								0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	1.06:	FISH & WILDLIFE								0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	1.07:	REMOTE SENSING								0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES								0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	2.02:	TIMBER MANAGEMENT								0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP	2.03:	FOREST PROTECTION								0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS								0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION								0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT								0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES								0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	2.09:	TECHNICAL ASSISTANCE								0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2
RP	2.11:	FOREST & RANGE RESOURCES								0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.01:	CORN								1.8	0.0	0.0	1.8	12.2	0.0	0.0	0.0	0.0	12.2	14.1
RP	3.02:	GRAIN SORGHUM								0.4	0.0	0.0	0.4	2.2	0.0	0.0	0.0	0.0	2.2	2.6
RP	3.03:	WHEAT								2.9	0.0	0.0	2.9	2.8	0.0	0.0	0.0	0.0	2.8	5.8
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT								0.4	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.7
RP	3.05:	RICE								0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.06:	SOYBEANS								3.4	0.0	0.0	3.4	7.4	0.0	0.0	0.0	0.0	7.4	10.8
RP	3.08:	SUGAR								0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.09:	FORAGE, RANGE, & PASTURE								0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	3.12:	NEW CROPS & MINOR OILSEEDS								0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP	3.13:	FRUIT								1.0	0.0	0.0	1.0	2.1	0.0	0.0	0.0	0.0	2.1	3.1
RP	3.14:	VEGETABLE CROPS								0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	7.2	7.2
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT								0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	3.17:	WEEDS IN CROPS								0.5	0.0	0.0	0.5	0.9	0.0	0.0	0.0	0.0	0.9	1.4
RP	3.19:	NONSPECIFIC PLANTS								0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	1.1	9.7	9.7
RP	4.01:	BEEF								0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP	4.02:	DAIRY								0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	5.5	5.5
RP	4.03:	POULTRY								0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP	4.04:	SHEEP								0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	4.05:	SWINE								0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)								0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	4.08:	NONSPECIFIC ANIMALS								0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3											
INDIANA											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	YET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.09: INVERTEBRATES	0.8	0.0	0.0	0.8	2.8	0.0	0.0	0.0	0.0	2.8	3.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.2	0.0	0.0	0.2	7.1	0.0	0.0	0.0	0.0	7.1	7.3
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.4	2.8	2.8
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	18.3	0.0	0.0	18.3	143.4	0.0	0.0	0.0	1.5	144.8	163.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3

IOWA

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	1.0	0.0	0.0	1.0	5.9	0.0	0.0	0.0	0.0	5.9	7.0
RP 1.02: WATER & WATERSHEDS	0.8	0.0	0.0	0.8	1.3	0.0	0.0	0.0	0.0	1.3	2.1
RP 1.04: ENVIRONMENTAL QUALITY	1.5	0.0	0.0	1.5	2.6	0.0	0.0	0.0	0.0	2.6	4.2
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.1	0.0	1.6	1.6
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.01: CORN	11.0	0.0	0.0	11.0	11.9	0.0	0.0	0.0	0.0	11.9	23.0
RP 3.02: GRAIN SORGHUM	0.1	0.0	0.0	0.1	0.7	0.0	0.0	0.0	0.0	0.7	0.8
RP 3.03: WHEAT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 3.06: SOYBEANS	4.1	0.0	0.0	4.1	9.3	0.0	0.0	0.0	0.0	9.3	13.5
RP 3.07: PEANUTS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.08: SUGAR	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP 3.09: FORAGE, RANGE, & PASTURE	1.1	0.0	0.0	1.1	2.4	0.0	0.0	0.0	0.0	2.4	3.5
RP 3.12: NEW CROPS & MINOR OILSEEDS	1.1	0.0	0.0	1.1	0.5	0.0	0.0	0.0	0.0	0.5	1.6
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.5
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.6	0.0	0.0	0.6	2.1	0.0	0.0	0.0	0.0	2.1	2.7
RP 3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.18: SEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.19: NONSPECIFIC PLANTS	2.2	0.0	0.0	2.2	2.4	0.0	0.0	0.0	0.3	2.7	4.9
RP 4.01: BEEF	17.2	0.0	0.0	17.2	9.4	0.0	0.0	3.0	0.0	12.4	29.7
RP 4.02: DAIRY	20.7	0.0	0.0	20.7	3.4	0.0	0.0	2.4	0.0	5.8	26.5
RP 4.03: POULTRY	5.9	0.0	0.0	5.9	2.5	0.0	0.0	3.1	0.0	5.7	11.6
RP 4.04: SHEEP	2.3	0.0	0.0	2.3	0.3	0.0	0.0	0.3	0.0	0.7	3.0
RP 4.05: SWINE	18.2	0.0	0.0	18.2	8.3	0.0	0.0	9.7	0.0	18.0	36.3
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.1	0.0	1.6	1.6
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.2	0.0	9.2	9.2
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3											
IOWA											
	-----+ ARS/HNIS /DICO	USDA ERS/ ACS	-----+ PS	USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	YET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 5.02: LIVING ENVIRONMENT	0.2	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.4	0.6
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPCS	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 8.03: FOOD SAFETY	0.9	0.0	0.0	0.9	2.2	0.0	0.0	0.0	0.0	2.2	3.1
GRAND TOTAL	89.7	0.0	0.0	89.7	113.9	0.0	0.0	26.1	0.3	140.3	230.0

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3

KANSAS

		ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	5.4	0.0	0.0	5.4	8.5	0.0	0.0	0.0	0.0	8.5	13.9
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.01:	CORN	5.1	0.0	0.0	5.1	10.6	0.0	0.0	0.0	0.0	10.6	15.8
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	14.1	0.0	0.0	0.0	0.0	14.1	14.1
RP 3.03:	WHEAT	16.5	0.0	0.0	16.5	30.6	0.0	0.0	0.0	0.0	30.6	47.2
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 3.05:	RICE	0.1	0.0	0.0	0.1	1.2	0.0	0.0	0.0	0.0	1.2	1.3
RP 3.06:	SOYBEANS	0.1	0.0	0.0	0.1	8.7	0.0	0.0	0.0	0.0	8.7	8.8
RP 3.09:	FORAGE, RANGE, & PASTURE	1.0	0.0	0.0	1.0	12.1	0.0	0.0	0.0	0.0	12.1	13.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	11.5	11.5
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	21.0	21.0
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	5.5	5.5
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	6.7	6.7
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 6.03:	MARKETING & COMPETITION	2.6	0.0	0.0	2.6	3.4	0.0	0.0	0.0	0.0	3.4	6.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988							REGION 3						
RESEARCH PROGRAM SUMMARY							KANSAS						GRAND TOTAL
							ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	
RP	7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	6.7	6.7
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL			31.0	0.0	0.0	31.0	193.2	0.0	0.0	0.0	0.0	193.2	224.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 3

RESEARCH PROGRAM SUMMARY

MICHIGAN

		ARS/HNIS /DIED	USDA ERS/ ACS	FS	USDA TOTAL	SAES	MICH A ARB	OTHER INSTITUTIONS MICH HOUGHT	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	5.9	5.9
RP	1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	4.3	0.1	0.0	0.0	0.0	4.4	4.4
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RP	1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	1.5	0.8	0.2	0.0	0.0	2.5	2.5
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	4.0	0.7	4.0	0.0	0.0	8.8	8.8
RP	2.03: FOREST PROTECTION	0.0	0.0	4.0	4.0	0.9	0.4	0.1	0.0	0.0	1.4	5.4
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	5.4	5.4	4.6	0.8	3.9	0.0	0.6	9.9	15.3
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.2	1.2	1.0	0.0	0.0	2.5	2.5
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.5	0.1	0.5	0.0	0.0	1.1	1.1
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.8	0.1	0.0	0.0	0.0	0.9	0.9
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.2	0.6	0.0	0.0	0.0	0.9	0.9
RP	2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.01: CORN	0.1	0.0	0.0	0.1	1.8	0.0	0.0	0.0	0.0	1.8	1.9
RP	3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.03: WHEAT	0.1	0.0	0.0	0.1	1.6	0.0	0.0	0.0	0.0	1.6	1.8
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.8	0.0	0.0	0.8	2.7	0.0	0.0	0.0	0.0	2.7	3.5
RP	3.05: RICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.06: SOYBEANS	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP	3.08: SUGAR	3.3	0.0	0.0	3.3	0.2	0.0	0.0	0.0	0.0	0.2	3.5
RP	3.09: FORAGE, RANGE, & PASTURE	0.8	0.0	0.0	0.8	2.6	0.0	0.0	0.0	0.0	2.6	3.4
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.13: FRUIT	2.7	0.0	0.0	2.7	10.7	0.0	0.0	0.0	0.0	10.7	13.5
RP	3.14: VEGETABLE CROPS	2.2	0.0	0.0	2.2	11.9	0.0	0.0	0.0	0.0	11.9	14.1
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	4.5	0.2	0.0	0.0	0.0	4.7	4.7
RP	3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	2.6	11.8	11.8
RP	4.01: BEEF	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP	4.02: DAIRY	0.1	0.0	0.0	0.1	4.7	0.0	0.0	0.0	0.0	4.7	4.8
RP	4.03: POULTRY	14.2	0.0	0.0	14.2	4.3	0.0	0.0	0.0	0.2	4.5	18.7
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.0	1.1	1.1
RP	4.05: SWINE	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988										REGION 3			
RESEARCH PROGRAM SUMMARY										MICHIGAN			
		ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	MICH A	MICH ARB	OTHER INSTITUTIONS MICH HOUGHT	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	4.3	4.3
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2
RP	5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	2.3	2.3
RP	5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	6.5	6.5
RP	5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5
RP	6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	6.2	6.2
RP	6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	8.6	8.6
RP	6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	3.1	3.1
RP	7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	4.7	4.7
RP	8.01: HUMAN NUTRITION	0.1	0.0	0.0	0.1	4.4	0.0	0.0	0.0	0.0	0.0	4.4	4.5
RP	8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	1.8	1.8
RP	8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1
RP	8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL		24.6	0.0	9.4	34.0	152.1	5.4	9.7	0.0	4.4	171.6	205.6	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3

MINNESOTA

		+	USDA	+	+	+	OTHER INSTITUTIONS	+			GRAND
		ARS/HNIS	ERS/	USDA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	TOTAL
		/OICD	ACS	FS	TOTAL	TUSK	SCH	SCH			
RP	1.01: SOIL & LAND USE	6.1	0.0	0.0	6.1	11.2	0.0	0.0	0.0	11.2	17.3
RP	1.02: WATER & WATERSHEDS	1.9	0.0	0.0	1.9	2.4	0.0	0.0	0.0	2.4	4.4
RP	1.04: ENVIRONMENTAL QUALITY	2.2	0.0	0.0	2.2	2.1	0.0	0.0	0.0	2.1	4.3
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.9	1.9
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	5.0	5.0
RP	1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	6.4	6.4	2.9	0.0	0.0	0.0	2.9	9.3
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	1.9	1.9	6.4	0.0	0.0	0.0	6.5	8.4
RP	2.03: FOREST PROTECTION	0.0	0.0	4.2	4.2	2.7	0.0	0.0	0.0	2.8	7.0
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	1.2	1.2	3.3	0.0	0.0	0.0	3.3	4.6
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	11.8	11.8	1.8	0.0	0.0	0.0	1.8	13.6
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.5	3.5	0.6	0.0	0.0	0.0	0.6	4.1
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.2	2.2	1.2	0.0	0.0	0.0	1.2	3.4
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	2.0	2.0	0.4	0.0	0.0	0.0	0.4	2.4
RP	2.09: TECHNICAL ASSISTANCE	1.3	0.0	0.0	1.3	3.5	0.0	0.0	0.0	3.5	4.8
RP	2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
RP	3.01: CORN	4.5	0.0	0.0	4.5	9.5	0.0	0.0	0.0	9.5	14.0
RP	3.02: GRAIN SORGHUM	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
RP	3.03: WHEAT	8.2	0.0	0.0	8.2	1.3	0.0	0.0	0.0	1.3	9.5
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	4.4	0.0	0.0	4.4	4.9	0.0	0.0	0.0	4.9	9.3
RP	3.05: RICE	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	2.2	2.2
RP	3.06: SOYBEANS	3.4	0.0	0.0	3.4	4.9	0.0	0.0	0.0	4.9	8.3
RP	3.07: PEANUTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	3.08: SUGAR	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP	3.09: FORAGE, RANGE, & PASTURE	6.4	0.0	0.0	6.4	4.4	0.0	0.0	0.0	4.4	10.9
RP	3.11: TOBACCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	3.1	3.1
RP	3.14: VEGETABLE CROPS	4.6	0.0	0.0	4.6	12.8	0.0	0.0	0.0	12.8	17.4
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	4.9	4.9
RP	3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	3.17: WEEDS IN CROPS	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6
RP	3.18: NONSPECIFIC PLANTS	0.6	0.0	0.0	0.6	1.7	0.0	0.0	0.0	1.7	2.2
RP	4.01: BEEF	0.0	0.0	0.0	0.0	5.4	0.0	0.0	3.2	8.6	8.6
RP	4.02: DAIRY	1.0	0.0	0.0	1.0	9.1	0.0	0.0	5.2	14.3	15.3
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	7.4	0.0	0.0	1.7	9.1	9.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3											
MINNESOTA											
	+-----+ USDA		-----+ USDA		+-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		GRAND TOTAL
	ARS/HNIS /DICD	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 4.05: SWINE	0.0	0.0	0.0	0.0	8.8	0.0	0.0	6.3	0.0	15.1	15.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	6.5	6.5
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.0	2.2	2.2
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	9.5	9.5
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	1.0	1.0	0.8	0.0	0.0	0.0	0.0	0.8	1.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 6.03: MARKETING & COMPETITION	0.2	0.0	0.0	0.2	5.3	0.0	0.0	0.0	0.0	5.3	5.6
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.7	0.0	0.0	0.7	3.3	0.0	0.0	0.0	0.0	3.3	4.0
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
GRAND TOTAL	46.9	0.0	34.4	81.3	180.2	0.0	0.0	23.8	1.3	205.3	286.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

REGION 3

MISSOURI

		ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	OTHER INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	2.1	0.0	0.0	2.1	7.3	0.0	0.0	0.0	0.0	7.3	9.5
RP	1.02: WATER & WATERSHEDS	1.5	0.0	0.0	1.5	1.8	0.0	0.0	0.0	0.0	1.8	3.3
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.1	0.1	0.5	0.0	0.0	0.0	0.0	0.5	0.6
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	3.3	3.3	2.4	0.0	0.0	0.0	0.0	2.4	5.8
RP	2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	2.09: TECHNICAL ASSISTANCE	1.0	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.1	1.1
RP	3.01: CORN	8.2	0.0	0.0	8.2	4.1	0.0	0.0	0.0	0.0	4.1	12.3
RP	3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.03: WHEAT	1.5	0.0	0.0	1.5	4.2	0.0	0.0	0.0	0.0	4.2	5.7
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	0.5	0.0	0.0	0.0	1.0	1.5	1.6
RP	3.05: RICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.06: SOYBEANS	2.4	0.0	0.0	2.4	7.7	0.8	0.0	0.0	0.0	8.6	11.0
RP	3.09: FORAGE, RANGE, & PASTURE	2.3	0.0	0.0	2.3	5.1	0.6	0.0	0.0	0.0	5.7	8.0
RP	3.10: COTTON	0.1	0.0	0.0	0.1	2.2	0.0	0.0	0.0	0.0	2.2	2.3
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.0	2.4	0.0	0.0	0.0	3.5	3.5
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.18: SEEDS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	9.5	9.5
RP	4.01: BEEF	0.1	0.0	0.0	0.1	11.3	0.5	0.0	1.2	0.0	13.2	13.3
RP	4.02: DAIRY	1.8	0.0	0.0	1.8	5.6	0.0	0.0	0.6	0.0	6.2	8.0
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.1	3.3	3.3
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	3.1	0.5	0.0	0.0	0.0	3.7	3.7
RP	4.05: SWINE	2.1	0.0	0.0	2.1	5.3	0.7	0.0	0.5	0.0	6.5	8.6
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.8	0.0	0.0	4.6	0.0	5.5	5.5
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2

TABLE Y-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

	REGION 3										
	MISSOURI										
	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.4	0.0	0.0	14.8	0.0	18.3	18.3
RP 4.09: INVERTEBRATES	4.2	0.0	0.0	4.2	0.7	0.0	0.0	0.0	0.0	0.7	4.9
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.8	0.8
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.1	0.0	0.0	0.1	2.6	0.0	0.0	0.0	0.0	2.6	2.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.1	0.0	7.6	7.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP 7.01: MANMADE RESOURCES	0.6	0.0	0.0	0.6	1.2	0.0	0.0	0.1	0.0	1.3	1.9
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.0	0.0	0.0	1.0	7.0	0.0	0.0	0.0	0.0	7.0	8.1
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	4.1	5.6	0.0	0.0	0.0	9.7	9.7
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 8.03: FOOD SAFETY	0.6	0.0	0.0	0.6	2.4	0.0	0.0	0.0	0.0	2.4	3.1
GRAND TOTAL	30.1	0.0	3.6	33.6	135.7	11.9	0.0	22.2	1.1	170.9	204.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988												REGION 3	
RESEARCH PROGRAM SUMMARY												NEBRASKA	
			ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	5.7	0.0	0.0	5.7	7.8	0.0	0.0	0.0	0.0	7.8	13.6
RP	1.02:	WATER & WATERSHEDS	1.0	0.0	0.0	1.0	5.2	0.0	0.0	0.0	0.0	5.2	6.2
RP	1.04:	ENVIRONMENTAL QUALITY	0.2	0.0	0.0	0.2	2.0	0.0	0.0	0.0	0.0	2.0	2.3
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	2.03:	FOREST PRDTECTION	0.0	0.0	3.1	3.1	1.4	0.0	0.0	0.0	0.0	1.4	4.6
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	3.01:	CORN	0.4	0.0	0.0	0.4	11.3	0.0	0.0	0.0	0.0	11.3	11.8
RP	3.02:	GRAIN SORGHUM	3.5	0.0	0.0	3.5	7.0	0.0	0.0	0.0	0.0	7.0	10.5
RP	3.03:	WHEAT	3.8	0.0	0.0	3.8	5.5	0.0	0.0	0.0	0.0	5.5	9.4
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.2	0.0	0.0	0.2	2.3	0.0	0.0	0.0	0.0	2.3	2.6
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	8.2
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	3.09:	FORAGE, RANGE, & PASTURE	5.5	0.0	0.0	5.5	4.5	0.0	0.0	0.0	0.0	4.5	10.1
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP	3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	6.6	6.6
RP	4.01:	BEEF	20.2	0.0	0.0	20.2	14.5	0.0	0.0	0.0	0.0	14.5	34.8
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP	4.04:	SHEEP	5.1	0.0	0.0	5.1	1.6	0.0	0.0	0.0	0.0	1.6	6.7
RP	4.05:	SWINE	15.8	0.0	0.0	15.8	12.6	0.0	0.0	0.0	0.2	12.8	28.6
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	5.02:	LIVING ENVIRONMENT	0.2	0.0	0.0	0.2	1.2	0.0	0.0	0.0	0.0	1.2	1.4
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3

NEBRASKA

		+-----+ USDA		-----+ USDA		+-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		GRAND TOTAL
		ARS/HNIS /DID	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP	5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	6.01: FARM ADJUSTMENT, PRICES & INCOME	0.2	0.0	0.0	0.2	2.0	0.0	0.0	0.0	0.3	2.3	2.5
RP	6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP	7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.2	0.0	0.0	1.2	3.7	0.0	0.0	0.0	0.2	3.9	5.2
RP	8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
GRAND TOTAL		63.5	0.0	4.3	67.8	138.4	0.0	0.0	0.0	0.7	139.1	206.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3

NORTH DAKOTA

		ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	2.2	0.0	0.0	2.2	10.8	0.0	0.0	0.0	0.0	10.8	13.0
RP 1.02:	WATER & WATERSHEDS	1.9	0.0	0.0	1.9	5.2	0.0	0.0	0.0	0.0	5.2	7.2
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 1.04:	ENVIRONMENTAL QUALITY	1.5	0.0	0.0	1.5	1.1	0.0	0.0	0.0	0.0	1.1	2.6
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.1	0.0	0.0	0.1	0.8	0.0	0.0	0.0	0.0	0.8	0.9
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.08:	TECHNICAL ASSISTANCE	0.8	0.0	0.0	0.8	3.4	0.0	0.0	0.0	0.0	3.4	4.3
RP 3.01:	CORN	2.3	0.0	0.0	2.3	2.1	0.0	0.0	0.0	0.0	2.1	4.5
RP 3.03:	WHEAT	6.3	0.0	0.0	6.3	15.6	0.0	0.0	0.0	0.0	15.6	21.9
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	1.8	0.0	0.0	1.8	9.1	0.0	0.0	0.0	0.0	9.1	10.9
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 3.08:	SUGAR	4.6	0.0	0.0	4.6	1.9	0.0	0.0	0.0	0.0	1.9	6.5
RP 3.09:	FORAGE, RANGE, & PASTURE	6.6	0.0	0.0	6.6	7.4	0.0	0.0	0.0	0.0	7.4	14.0
RP 3.10:	COTTON	3.0	0.0	0.0	3.0	0.1	0.0	0.0	0.0	0.0	0.1	3.2
RP 3.12:	NEW CROPS & MINOR OILSEEDS	6.9	0.0	0.0	6.9	10.4	0.0	0.0	0.0	0.1	10.5	17.4
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.1	10.5	10.6
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.9	0.0	0.0	0.9	0.3	0.0	0.0	0.0	0.0	0.3	1.2
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.19:	NONSPECIFIC PLANTS	4.3	0.0	0.0	4.3	1.8	0.0	0.0	0.0	0.0	1.8	6.1
RP 4.01:	BEEF	2.8	0.0	0.0	2.8	9.1	0.0	0.0	0.0	1.0	10.1	13.0
RP 4.02:	DAIRY	2.5	0.0	0.0	2.5	2.8	0.0	0.0	0.0	0.0	2.8	5.4
RP 4.03:	POULTRY	1.0	0.0	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.5	1.5
RP 4.04:	SHEEP	0.7	0.0	0.0	0.7	2.5	0.0	0.0	0.0	0.0	2.5	3.2
RP 4.05:	SWINE	1.7	0.0	0.0	1.7	3.4	0.0	0.0	0.0	0.0	3.4	5.2
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 4.08:	NONSPECIFIC ANIMALS	2.2	0.0	0.0	2.2	5.1	0.0	0.0	0.0	0.0	5.1	7.3
RP 4.09:	INVERTEBRATES	8.6	0.0	0.0	8.6	0.1	0.0	0.0	0.0	0.0	0.1	8.7
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPCS	0.1	0.0	0.0	0.1	4.1	0.0	0.0	0.0	0.0	4.1	4.2
RP 8.01:	HUMAN NUTRITION	13.6	0.0	0.0	13.6	0.2	0.0	0.0	0.0	0.0	0.2	13.8
RP 8.03:	FOOD SAFETY	1.7	0.0	0.0	1.7	0.6	0.0	0.0	0.0	0.0	0.6	2.3
GRAND TOTAL		79.3	0.0	0.0	79.3	129.3	0.0	0.0	0.0	1.2	130.5	209.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988												REGION 3	
RESEARCH PROGRAM SUMMARY												OHIO	
			+	-----+	USDA	-----+		OTHER INSTITUTIONS		-----+		GRAND	
			ARS/HNIS	ERS/	FS	USDA	SAES	OHIO	FRSTRY	VET	OTHR	TOTAL	
			/DICO	ACS		TOTAL		ALLIAN	SCH	SCH			
RP	1.01:	SOIL & LAND USE	1.7	0.0	0.0	1.7	8.0	0.0	0.0	0.0	0.0	8.0	8.8
RP	1.02:	WATER & WATERSHEDS	2.1	0.0	0.0	2.1	2.0	0.0	0.0	0.0	0.0	2.0	4.1
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	1.04:	ENVIRONMENTAL QUALITY	1.0	0.0	0.0	1.0	6.2	0.0	0.0	0.0	0.0	6.2	7.2
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.4	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.8
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	3.4	3.4	7.0	0.0	0.0	0.0	0.0	7.0	10.4
RP	2.03:	FOREST PROTECTION	0.0	0.0	4.7	4.7	1.1	0.0	0.0	0.0	0.0	1.1	5.8
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	5.2	5.2	0.3	0.0	0.0	0.0	0.3	0.6	5.8
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	6.5	6.5	1.8	0.0	0.0	0.0	0.0	1.8	8.4
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	1.9	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.0	1.0	2.9
RP	3.01:	CORN	2.8	0.0	0.0	2.8	8.9	0.0	0.0	0.0	0.0	8.9	11.7
RP	3.03:	WHEAT	3.0	0.0	0.0	3.0	0.9	0.0	0.0	0.0	0.0	0.9	3.9
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.06:	SOYBEANS	1.4	0.0	0.0	1.4	8.2	0.0	0.0	0.0	1.8	10.0	11.4
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.09:	FORAGE, RANGE, & PASTURE	1.0	0.0	0.0	1.0	3.3	0.0	0.0	0.0	0.0	3.3	4.3
RP	3.10:	COTTON	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	3.13:	FRUIT	1.4	0.0	0.0	1.4	8.8	0.0	0.0	0.0	0.0	8.8	10.3
RP	3.14:	VEGETABLE CROPS	1.8	0.0	0.0	1.8	10.4	0.0	0.0	0.0	0.0	10.4	12.3
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	1.0	0.0	0.0	1.0	10.0	0.0	0.0	0.0	0.0	10.0	11.0
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.19:	NONSPECIFIC PLANTS	0.7	0.0	0.0	0.7	1.6	0.0	0.0	0.0	1.0	2.6	3.3
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.2	0.0	5.9	5.9
RP	4.02:	DAIRY	0.6	0.0	0.0	0.6	9.5	0.0	0.0	0.6	0.0	10.1	10.7
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.2	0.0	8.1	8.1
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.6	0.0	4.1	4.1
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.4	0.1	10.3	10.3
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.7	0.0	0.0	10.5	0.1	11.3	11.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988											REGION 3		
RESEARCH PROGRAM SUMMARY											OHIO		
		+	-----+	USDA	-----+	+	-----+	OTHER INSTITUTIONS	-----+				
		ARS/HNIS		ERS/	USDA	SAES	OHIO	PRSTRY	YET	OTHR	TOTAL	GRAND	
		/OICD		ACS	FS	TOTAL	ALLIAN	SCH	SCH			TOTAL	
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	1.6	0.0	1.7	
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3	
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0	4.0	
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6	
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.2	1.9	1.9	
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.4	1.4	
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	5.1	5.1	
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	4.5	4.5	
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.7	0.0	0.0	2.7	2.3	0.0	0.0	0.0	2.3	5.1	
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0	
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	3.1	3.1	
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	2.4	2.4	
RP	8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5	
GRAND TOTAL			24.0	0.0	19.9	43.9	152.7	0.0	0.0	14.4	4.3	215.3	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3

SOUTH DAKOTA

		USDA				OTHER INSTITUTIONS						GRAND TOTAL
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP	1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP	1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	5.7	5.7	0.6	0.0	0.0	0.0	0.0	0.6	6.3
RP	2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01: CORN	8.6	0.0	0.0	8.6	5.7	0.0	0.0	0.0	0.0	5.7	14.3
RP	3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.03: WHEAT	0.9	0.0	0.0	0.9	4.5	0.0	0.0	0.0	0.0	4.5	5.5
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.7
RP	3.06: SOYBEANS	1.0	0.0	0.0	1.0	1.6	0.0	0.0	0.0	0.0	1.6	2.6
RP	3.08: SUGAR	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.2	0.2	6.4	0.0	0.0	0.0	0.0	6.4	6.6
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	4.01: BEEF	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	4.05: SWINE	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0	7.0
RP	4.08: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.7	1.9	1.9
RP	6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
GRAND TOTAL		10.7	0.0	6.0	16.7	69.3	0.0	0.0	0.0	0.7	70.0	86.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

												REGION 3
												WISCONSIN
		ARS/MNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	OTHER INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	6.1	6.1
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	10.5	10.5	2.8	0.0	0.0	0.0	0.0	2.8	13.3
RP 2.03:	FOREST PROTECTION	0.0	0.0	2.8	2.8	3.5	0.0	0.0	0.0	0.0	3.5	6.3
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	75.1	75.1	2.2	0.0	0.0	0.0	1.4	3.6	78.7
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
RP 3.01:	CORN	0.2	0.0	0.0	0.2	4.8	0.0	0.0	0.0	0.0	4.8	5.0
RP 3.03:	WHEAT	0.6	0.0	0.0	0.6	0.4	0.0	0.0	0.0	0.0	0.4	1.0
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	3.4	0.0	0.0	3.4	1.6	0.0	0.0	0.0	0.0	1.6	5.0
RP 3.06:	SOYBEANS	0.1	0.0	0.0	0.1	2.7	0.0	0.0	0.0	0.0	2.7	2.8
RP 3.09:	FORAGE, RANGE, & PASTURE	6.3	0.0	0.0	6.3	6.4	0.0	0.0	0.0	0.0	6.4	12.8
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 3.14:	VEGETABLE CROPS	8.3	0.0	0.0	8.3	11.3	0.0	0.0	0.0	0.0	11.3	19.6
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19:	NONSPECIFIC PLANTS	1.6	0.0	0.0	1.6	7.8	0.0	0.0	0.0	0.1	7.9	9.5
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 4.02:	DAIRY	4.9	0.0	0.0	4.9	13.3	0.0	0.0	0.0	0.0	13.3	18.2
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 4.04:	SHEEP	0.3	0.0	0.0	0.3	1.7	0.0	0.0	0.0	0.0	1.7	2.0
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 3											
WISCONSIN											
	ARS/HNIS /OICD	USDA ERS/ ACS	PS	USDA TOTAL	SAES	1880/ TUSK	OTHER FRSTRY SCH	INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	6.7	6.7
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.0	0.0	0.0	2.0	22.1	0.0	0.0	0.0	0.8	22.9	24.9
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.1	6.9	6.9
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.8	0.0	0.0	0.8	0.4	0.0	0.0	0.0	0.0	0.4	1.2
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
GRAND TOTAL	28.7	0.0	88.4	117.1	168.8	0.0	0.0	0.0	2.7	171.6	288.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 4

RESEARCH PROGRAM SUMMARY

ALASKA

	+-----+ USDA		+-----+ USDA		+-----+ OTHER INSTITUTIONS		+-----+ OTHER INSTITUTIONS		+-----+ OTHER INSTITUTIONS		GRAND TOTAL
	ARS/HNIS /DICO	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 1.01: SDIL & LAND USE	3.2	0.0	0.0	3.2	1.5	0.0	0.0	0.0	0.0	1.5	4.7
RP 1.02: WATER & WATERSHEDS	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	7.4	7.4	1.0	0.0	0.0	0.0	0.0	1.0	8.4
RP 2.03: FOREST PROTECTION	0.0	0.0	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	4.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.05: FOREST WATERSHEDS, SDILS, POLLUTION	0.0	0.0	7.0	7.0	0.6	0.0	0.0	0.0	0.0	0.6	7.6
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	10.7	10.7	0.0	0.0	0.0	0.0	0.0	0.0	10.7
RP 2.07: FOREST RECREATION & AESTHETICS & DTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	1.2	1.2	0.1	0.0	0.0	0.0	0.0	0.1	1.4
RP 3.03: WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.6	0.0	0.0	1.6	1.1	0.0	0.0	0.0	0.0	1.1	2.8
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 4.01: BEEF	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.05: SWINE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.08: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
GRAND TOTAL	5.4	0.0	33.9	39.3	11.2	0.0	0.0	0.0	0.0	11.2	50.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

	REGION 4										
	AMERICAN SAMOA										
	ARS/HNIS /DICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	YET SCH	OTHR	TOTAL	GRAND TOTAL
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.05: SWINE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

												REGION 4
												ARIZONA
		ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	OTHER INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SDIL & LAND USE	4.5	0.0	0.0	4.5	5.9	0.0	0.0	0.0	0.0	5.9	10.4
RP	1.02: WATER & WATERSHEDS	13.0	0.0	0.0	13.0	10.3	0.0	0.0	0.0	0.0	10.3	23.3
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	1.04: ENVIRONMENTAL QUALITY	0.2	0.0	0.0	0.2	4.4	0.0	0.0	0.0	0.0	4.4	4.6
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.9	0.0	0.0	0.9	0.4	0.0	0.0	0.0	0.0	0.4	1.3
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	1.07: REMOTE SENSING	1.2	0.0	0.0	1.2	2.1	0.0	0.0	0.0	0.0	2.1	3.3
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	6.7	6.7	0.7	0.0	4.8	0.0	0.0	5.5	12.2
RP	2.03: FOREST PROTECTION	0.0	0.0	0.7	0.7	1.1	0.0	0.5	0.0	0.0	1.6	2.4
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.3
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.5	4.5	2.1	0.0	0.1	0.0	0.0	2.2	6.8
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	4.1	4.1	2.0	0.0	0.0	0.0	0.0	2.0	6.1
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.6	0.0	0.9	0.0	0.0	1.5	1.5
RP	3.01: CORN	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.03: WHEAT	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	1.0	0.0	0.0	1.0	1.2	0.0	0.0	0.0	0.0	1.2	2.2
RP	3.09: FORAGE, RANGE, & PASTURE	7.3	0.0	0.0	7.3	7.6	0.0	0.0	0.0	0.0	7.6	15.0
RP	3.10: COTTON	17.3	0.0	0.0	17.3	10.8	0.0	0.0	0.0	0.0	10.8	28.2
RP	3.12: NEW CROPS & MINOR OILSEEDS	5.4	0.0	0.0	5.4	1.5	0.0	0.0	0.0	0.0	1.5	7.0
RP	3.13: FRUIT	0.3	0.0	0.0	0.3	4.7	0.0	0.0	0.0	0.0	4.7	5.1
RP	3.14: VEGETABLE CROPS	1.2	0.0	0.0	1.2	8.8	0.0	0.0	0.0	0.0	8.8	10.0
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP	3.16: BEES & OTHER POLLINATING INSECTS	12.2	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0	12.2
RP	3.19: NONSPECIFIC PLANTS	0.1	0.0	0.0	0.1	1.5	0.0	0.0	0.0	0.0	1.5	1.7
RP	4.01: BEEF	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	7.4	7.4
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	10.7	10.7
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	4.05: SWINE	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	7.3	7.3
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

ARIZONA

	ARS/HNIS /DICD	USDA ERS/ ACS	USDA FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	5.6	5.6
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	4.0	0.0	0.0	4.0	3.2	0.0	0.0	0.0	0.0	3.2	7.2
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
GRAND TOTAL	69.1	0.0	16.2	85.3	138.1	0.0	6.6	0.0	0.0	144.7	230.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

CALIFORNIA

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	5.2	0.0	0.0	5.2	14.9	0.0	0.0	0.0	0.0	14.9	21.1
RP 1.02: WATER & WATERSHEDS	10.5	0.0	0.0	10.5	14.0	0.0	0.0	0.0	0.0	14.0	24.8
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 1.04: ENVIRONMENTAL QUALITY	4.6	0.0	0.0	4.6	28.2	0.0	0.0	5.0	0.0	33.2	37.8
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.2	0.0	10.2	10.2
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	1.1	1.1	2.1	0.0	15.5	0.0	0.0	18.6	19.7
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	13.5	13.5	5.9	0.0	15.8	0.0	0.0	23.7	37.2
RP 2.03: FOREST PROTECTION	0.0	0.0	35.0	35.0	10.8	0.0	0.0	0.0	0.0	10.8	45.8
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	11.7	0.0	0.0	0.0	0.0	11.7	11.7
RP 2.05: FOREST WATERSHEDS, SDILS, POLLUTION	0.0	0.0	4.2	4.2	2.1	0.0	0.1	0.0	0.0	2.2	6.4
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	4.7	4.7	2.4	0.0	0.2	0.0	0.0	2.7	7.4
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	5.3	5.3	0.2	0.0	0.0	0.0	0.0	0.2	5.5
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.01: CORN	5.3	0.0	0.0	5.3	4.8	0.0	0.0	0.0	0.5	5.4	11.8
RP 3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.03: WHEAT	20.2	0.0	0.0	20.2	2.8	0.0	0.0	0.0	0.0	2.8	23.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	4.4	0.0	0.0	4.4	3.3	0.0	0.0	0.0	0.0	3.3	7.7
RP 3.05: RICE	1.4	0.0	0.0	1.4	2.9	0.0	0.0	0.0	0.0	2.9	4.3
RP 3.06: SOYBEANS	1.2	0.0	0.0	1.2	1.9	0.0	0.0	0.0	0.0	1.9	3.1
RP 3.08: SUGAR	10.1	0.0	0.0	10.1	0.8	0.0	0.0	0.0	0.0	0.8	10.7
RP 3.09: FORAGE, RANGE, & PASTURE	8.0	0.0	0.0	8.0	18.7	0.0	0.0	0.0	0.5	17.3	23.4
RP 3.10: COTTON	3.5	0.0	0.0	3.5	5.4	0.0	0.0	0.0	0.0	5.4	9.9
RP 3.11: TOBACCO	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 3.12: NEW CROPS & MINOR OILSEEDS	3.4	0.0	0.0	3.4	5.3	0.0	0.0	0.0	0.0	5.3	8.7
RP 3.13: FRUIT	39.2	0.0	0.0	39.2	58.3	0.0	0.0	0.0	0.0	58.3	97.5
RP 3.14: VEGETABLE CROPS	25.5	0.0	0.0	25.5	33.0	0.0	0.0	0.0	0.5	33.8	60.1
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	10.5	10.5
RP 3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 3.17: WEEDS IN CROPS	1.0	0.0	0.0	1.0	1.5	0.0	0.0	0.0	0.0	1.5	2.5
RP 3.18: SEEDS	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.3	4.1	4.1
RP 3.19: NONSPECIFIC PLANTS	15.0	0.0	0.0	15.0	49.3	0.0	0.0	0.0	0.3	49.7	65.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

CALIFORNIA

	-----+ ARS/HNIS /OICO	USDA ERS/ ACS	FS	-----+ USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	-----+ VET SCH	OTHR	-----+ TOTAL	GRAND TOTAL
RP 4.01: BEEF	0.0	0.0	0.0	0.0	8.3	0.0	0.0	4.7	1.2	14.3	14.3
RP 4.02: DAIRY	3.1	0.0	0.0	3.1	14.7	0.0	0.0	8.3	0.0	23.1	26.2
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.4	0.0	9.7	9.7
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	4.4	0.0	0.0	1.6	0.0	6.0	6.0
RP 4.05: SWINE	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.7	0.0	2.9	2.9
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	7.0	0.0	0.0	15.4	0.0	22.5	22.5
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	9.3	0.0	0.0	1.0	0.0	10.3	10.3
RP 4.08: NONSPECIFIC ANIMALS	1.1	0.0	0.0	1.1	17.6	0.0	0.0	6.2	0.0	23.9	25.0
RP 4.09: INVERTEBRATES	4.8	0.0	0.0	4.8	21.8	0.0	0.0	0.0	0.0	21.8	26.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	13.4	13.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.2	0.0	0.0	0.2	5.9	0.0	0.0	0.0	0.0	5.9	6.1
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	9.3	9.3
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	6.8	0.0	0.0	6.8	53.0	0.0	0.0	0.0	0.1	53.1	60.0
RP 8.01: HUMAN NUTRITION	20.6	0.0	0.0	20.6	18.3	0.0	0.0	0.0	0.0	18.3	38.9
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 8.03: FOOD SAFETY	12.7	0.0	0.0	12.7	11.2	0.0	0.0	0.2	0.0	11.4	24.1
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
GRAND TOTAL	210.7	0.0	83.9	274.6	551.6	0.0	33.7	44.1	3.8	633.2	907.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 4

RESEARCH PROGRAM SUMMARY

COLORADO

		ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	11.5	0.0	0.0	11.5	3.1	0.0	0.0	0.0	0.0	3.1	14.7
RP 1.02:	WATER & WATERSHEDS	10.4	0.0	0.0	10.4	20.8	0.0	0.0	0.0	1.0	21.8	32.3
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 1.04:	ENVIRONMENTAL QUALITY	0.2	0.0	0.0	0.2	11.2	0.0	0.0	0.0	0.0	11.2	11.5
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	9.4	9.4
RP 1.07:	REMOTE SENSING	0.5	0.0	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	2.1	2.1	0.3	0.0	0.0	0.0	0.0	0.3	2.4
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	4.5
RP 2.03:	FOREST PROTECTION	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	3.4
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.2	1.0	1.0
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	3.7	3.7	1.0	0.0	0.0	0.0	0.0	1.0	4.8
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.9	0.9	0.7	0.0	0.0	0.0	0.0	0.7	1.7
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	6.6	6.6	0.5	0.0	0.0	0.0	0.0	0.5	7.1
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
RP 3.01:	CORN	0.9	0.0	0.0	0.9	3.4	0.0	0.0	0.0	0.0	3.4	4.4
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.03:	WHEAT	3.0	0.0	0.0	3.0	16.7	0.0	0.0	0.0	0.0	16.7	19.7
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP 3.06:	SOYBEANS	0.7	0.0	0.0	0.7	1.8	0.0	0.0	0.0	0.0	1.8	2.5
RP 3.08:	SUGAR	5.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
RP 3.09:	FORAGE, RANGE, & PASTURE	10.8	0.0	0.0	10.8	28.0	0.0	0.0	0.0	0.0	28.0	38.8
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP 3.14:	VEGETABLE CROPS	0.2	0.0	0.0	0.2	9.1	0.0	0.0	0.0	0.0	9.1	9.3
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 3.17:	WEEDS IN CROPS	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
RP 3.18:	SEEDS	0.7	0.0	0.0	0.7	3.1	0.0	0.0	0.0	0.0	3.1	3.9
RP 3.19:	NONSPECIFIC PLANTS	9.7	0.0	0.0	9.7	3.2	0.0	0.0	0.0	0.0	3.2	12.9
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	22.3	0.0	0.0	63.5	0.0	75.8	75.8
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	2.4	0.0	0.0	11.9	0.0	14.4	14.4
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.7	0.0	3.3	3.3
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	4.8	0.0	0.0	13.3	0.0	18.2	18.2
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

REGION 4											
COLORADO											
	+-----+ USDA		-----+ USDA		+-----+ OTHER INSTITUTIONS		-----+ VET		-----+ OTHR		GRAND TOTAL
	ARS/HNIS /OICD	ERS/ ACS	FS	TOTAL	SAES	1880/ TUSK	FRSTRY SCH	SCH	SCH	TOTAL	
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.7	0.0	0.0	0.7	2.5	0.0	0.0	0.0	0.0	2.5	3.3
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.2	1.8	1.8
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	55.8	0.0	19.7	75.5	186.4	0.0	0.0	81.2	1.5	269.1	344.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 4

RESEARCH PROGRAM SUMMARY

GUAM

	ARS/HHIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.01: CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
GRAND TOTAL	0.0	0.0	0.0	0.0	11.6	0.0	0.0	0.0	0.0	11.6	11.6

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988										REGION 4					
RESEARCH PROGRAM SUMMARY										HAWAII					
					ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE			0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP	1.02:	WATER & WATERSHEDS			0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	1.04:	ENVIRONMENTAL QUALITY			0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY			0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	2.02:	TIMBER MANAGEMENT			0.0	0.0	3.9	3.9	1.6	0.0	0.0	0.0	0.0	1.6	5.6
RP	2.03:	FOREST PROTECTION			0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS			0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION			0.0	0.0	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.1	0.7
RP	2.08:	ALTERNATE USES OF LAND			0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.01:	CORN			0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	3.05:	RICE			0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.06:	SOYBEANS			0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.08:	SUGAR			3.5	0.0	0.0	3.5	1.2	0.0	0.0	0.0	0.0	1.2	4.7
RP	3.09:	FORAGE, RANGE, & PASTURE			0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP	3.12:	NEW CROPS & MINOR OILSEEDS			0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	3.13:	FRUIT			13.3	0.0	0.0	13.3	14.2	0.0	0.0	0.0	0.0	14.2	27.5
RP	3.14:	VEGETABLE CROPS			0.0	0.0	0.0	0.0	13.6	0.0	0.0	0.0	0.0	13.6	13.6
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT			0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0	7.9	7.9
RP	3.17:	WEEDS IN CROPS			0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.19:	NONSPECIFIC PLANTS			0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	4.01:	BEEF			0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP	4.02:	DAIRY			0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	4.03:	POULTRY			0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	4.04:	SHEEP			0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	4.05:	SWINE			0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS			2.0	0.0	0.0	2.0	4.0	0.0	0.0	0.0	0.0	4.0	6.0
RP	4.08:	NONSPECIFIC ANIMALS			0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	5.01:	INDIVIDUALS AND FAMILIES			0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES			0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS			0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME			0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT			0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	6.03:	MARKETING & COMPETITION			0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS			0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP	8.01:	HUMAN NUTRITION			0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RP	8.02:	FOOD PROCESSING			0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	8.03:	FOOD SAFETY			0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
GRAND TOTAL					18.8	0.0	4.5	23.3	91.0	0.0	0.0	0.0	0.0	91.0	114.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

IDAHO

			-----+-----	USDA	-----+-----	USOA	-----+-----	OTHER INSTITUTIONS	-----+-----				
			ARS/HNIS /DICO	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	6.4	0.0	0.0	6.4	10.7	0.0	0.0	0.0	0.0	10.7	17.1
RP	1.02:	WATER & WATERSHEDS	7.4	0.0	0.0	7.4	3.0	0.0	0.1	0.0	0.0	3.1	10.6
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0	0.0	0.9	0.9
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.3	0.0	0.2	0.0	0.0	1.5	1.5
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	2.9	2.9
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.4
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	12.4	12.4	0.0	0.0	8.4	0.0	0.0	8.4	20.8
RP	2.03:	FOREST PROTECTION	0.0	0.0	1.5	1.5	0.0	0.0	0.3	0.0	0.0	0.3	1.9
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	1.0	1.0	0.0	0.0	2.3	0.0	0.3	2.6	3.6
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	5.2	5.2	0.0	0.0	1.0	0.0	0.0	1.0	6.2
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.2	3.2	1.1	0.0	2.3	0.0	0.0	3.4	6.6
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.03:	WHEAT	1.9	0.0	0.0	1.9	6.3	0.0	0.0	0.0	0.0	6.3	8.2
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	2.6	0.0	0.0	2.6	2.9	0.0	0.0	0.0	0.0	2.9	5.6
RP	3.05:	RICE	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.09:	FORAGE, RANGE, & PASTURE	3.4	0.0	0.0	3.4	3.9	0.0	1.2	0.0	0.0	5.2	8.6
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	3.14:	VEGETABLE CROPS	4.0	0.0	0.0	4.0	19.1	0.0	0.0	0.0	0.0	19.1	23.1
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	6.1	6.1
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	4.04:	SHEEP	7.3	0.0	0.0	7.3	3.1	0.0	0.0	0.0	0.0	3.1	10.4
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0	0.0	0.9	0.9
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	4.5	0.0	0.8	0.0	0.0	5.3	5.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

IDAHO

	-----+ ARS/HNIS /OICD	USDA ERS/ ACS	-----+ FS	USDA TOTAL	-----+ SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.8	0.0	0.5	0.0	0.0	1.3	1.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
GRAND TOTAL	34.2	0.0	23.5	57.7	94.1	0.0	22.8	0.0	0.3	117.2	174.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988								REGION 4				
RESEARCH PROGRAM SUMMARY								MONTANA				
							</					

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4											
MONTANA											
	ARS/HNIS /OICD	USDA ERS/ ACS	USDA FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL	27.9	0.0	29.1	57.0	74.1	0.0	17.2	0.0	0.3	91.6	148.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

NEVADA

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.2	0.9
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.09: FORAGE, RANGE, & PASTURE	3.5	0.0	0.0	3.5	3.2	0.0	0.0	0.0	0.0	3.2	6.7
RP 3.10: COTTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 4.01: BEEF	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	6.1	6.1
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.05: SWINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL	3.5	0.0	1.1	4.6	34.0	0.0	0.0	0.0	0.0	34.0	38.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

NEW MEXICO

			+	USDA	+	+	OTHER INSTITUTIONS	+				
			ARS/HNIS	ERS/	FS	USDA	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
			/DIED	ACS		TOTAL	TUSK	SCH	SCH			TOTAL
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	2.5	2.5
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0	3.0
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0	3.0
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	1.1	1.1	1.1	0.0	0.0	0.0	1.1	2.2
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	2.5	2.5
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.6	1.6	0.2	0.0	0.0	0.0	0.2	1.8
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	3.01:	CORN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP	3.03:	WHEAT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	3.07:	PEANUTS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	3.09:	FORAGE, RANGE, & PASTURE	4.1	0.0	0.0	4.1	12.4	0.0	0.0	0.0	12.4	16.5
RP	3.10:	COTTON	3.8	0.0	0.0	3.8	3.3	0.0	0.0	0.0	3.3	7.1
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	2.6	2.6
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	6.5	6.5
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1	1.1
RP	4.01:	BEEF	0.4	0.0	0.0	0.4	8.3	0.0	0.0	0.0	8.3	8.7
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP	4.04:	SHEEP	0.4	0.0	0.0	0.4	2.0	0.0	0.0	0.0	2.0	2.4
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

NEW MEXICO

	ARS/HNIS /OICD	USDA ERS/ ACS	USDA FS TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	1.0	1.0
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
GRAND TOTAL	8.8	0.0	4.4	58.4	0.0	0.0	0.0	0.5	88.9	82.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

NORTHERN MARIANAS

	ARS/HNIS /DIED	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
GRAND TOTAL	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4

OREGON

			+-----+ USDA		-----+ USDA		+-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		GRAND TOTAL
			ARS/HNIS /OICO	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP	1.01:	SOIL & LAND USE	0.7	0.0	0.0	0.7	6.4	0.0	0.8	0.0	0.0	7.2	8.0
RP	1.02:	WATER & WATERSHEDS	1.5	0.0	0.0	1.5	3.4	0.0	1.7	0.0	0.0	5.1	6.7
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.9	0.0	0.0	1.1	1.1
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.0	0.0	1.7	0.0	0.0	3.7	3.7
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	6.5	0.0	2.0	0.0	0.0	8.5	8.5
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	7.7	7.7	0.3	0.0	0.7	0.0	0.0	1.0	8.7
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	20.4	20.4	2.1	0.0	17.7	0.0	0.0	19.9	40.3
RP	2.03:	FOREST PROTECTION	0.0	0.0	17.8	17.8	0.6	0.0	2.2	0.0	0.0	2.8	20.7
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	14.2	14.2	0.0	0.0	20.2	0.0	0.0	20.2	34.4
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	6.0	6.0	0.1	0.0	2.0	0.0	0.0	2.1	8.2
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.4	1.4	0.1	0.0	0.4	0.0	0.0	0.5	1.9
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.1	1.1
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.3	1.3	0.0	0.0	0.3	0.0	0.0	0.3	1.6
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.3
RP	3.01:	CORN	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.03:	WHEAT	6.5	0.0	0.0	6.5	8.0	0.0	0.0	0.0	0.0	8.0	14.6
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	3.3	0.0	0.0	0.0	0.0	3.3	3.4
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.09:	FORAGE, RANGE, & PASTURE	11.2	0.0	0.0	11.2	5.4	0.0	0.0	0.0	0.0	5.4	16.7
RP	3.12:	NEW CROPS & MINOR OILSEEDS	1.2	0.0	0.0	1.2	6.9	0.0	0.0	0.0	0.0	6.9	8.2
RP	3.13:	FRUIT	4.7	0.0	0.0	4.7	15.2	0.0	0.0	0.0	0.0	15.2	20.0
RP	3.14:	VEGETABLE CROPS	2.4	0.0	0.0	2.4	10.5	0.0	0.0	0.0	0.3	10.8	13.2
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.5	0.0	0.0	0.5	3.1	0.0	0.0	0.0	0.0	3.1	3.6
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.17:	WEEDS IN CROPS	0.2	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.3	0.5
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP	3.19:	NONSPECIFIC PLANTS	7.6	0.0	0.0	7.6	4.0	0.0	0.0	0.0	0.2	4.2	11.8
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.5	0.0	7.8	7.8
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.1	0.0	3.1	3.1
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.2	0.0	3.0	3.0
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.2	0.0	2.7	2.7
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.2	0.0	1.1	1.1

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988								REGION 4					
RESEARCH PROGRAM SUMMARY								OREGON					
		-----+ ARS/HNIS /OICD	USDA ERS/ ACS	-----+ FS	USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	-----+ VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL	
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.3	0.0	2.9	2.9
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.1	0.0	0.0	1.2	0.0	5.3	5.3
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0.8
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.4	0.0	0.2	0.0	0.0	1.6	1.6
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	23.4	0.0	0.0	0.0	0.0	23.4	23.4
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0.8
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0.7
RP	7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0.4
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	5.6	0.0	0.4	0.0	0.0	6.0	6.0
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0.8
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	8.0	8.0	8.0
RP	8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL			37.6	0.0	69.1	106.7	158.0	0.0	53.4	3.9	0.5	215.8	322.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 4

RESEARCH PROGRAM SUMMARY

UTAH

			+	USOA	+	+	OTHER INSTITUTIONS	+				GRAND	
			ARS/HNIS	ERS/	PS	USOA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	TOTAL
			/OICD	ACS		TOTAL		TUSK	SCH	SCH			
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	4.3	4.3	0.3	0.0	0.0	0.0	0.0	0.3	4.6
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.03:	FOREST PROTECTION	0.0	0.0	3.4	3.4	0.4	0.0	0.0	0.0	0.0	0.4	3.8
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	5.2	5.2	0.3	0.0	0.0	0.0	0.0	0.3	5.5
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.6	3.6	1.4	0.0	0.0	0.0	0.0	1.4	5.0
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.03:	WHEAT	0.4	0.0	0.0	0.4	3.4	0.0	0.0	0.0	0.0	3.4	3.8
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	3.08:	FORAGE, RANGE, & PASTURE	12.3	0.0	0.0	12.3	5.9	0.0	0.0	0.0	0.0	5.9	18.2
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.1	0.0	0.0	0.1	0.9	0.0	0.0	0.0	0.0	0.9	1.0
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	4.0	0.0	0.0	4.0	0.6	0.0	0.0	0.0	0.0	0.6	4.6
RP	3.18:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP	4.01:	BEEF	4.7	0.0	0.0	4.7	7.3	0.0	0.0	0.0	0.0	7.3	12.1
RP	4.02:	DAIRY	1.5	0.0	0.0	1.5	12.4	0.0	0.0	0.0	0.0	12.4	13.9
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP	4.04:	SHEEP	2.2	0.0	0.0	2.2	5.4	0.0	0.0	0.0	0.0	5.4	7.6
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.0	0.0	0.0	1.0	0.8	0.0	0.0	0.0	0.0	0.8	1.8
RP	4.08:	NONSPECIFIC ANIMALS	0.5	0.0	0.0	0.5	4.3	0.0	0.0	0.0	0.0	4.3	4.8
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988
RESEARCH PROGRAM SUMMARY

REGION 4											
UTAH											
	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /DICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.5	2.1	2.1
GRAND TOTAL	26.8	0.0	16.5	43.3	79.3	0.0	0.0	0.0	0.7	80.0	123.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

REGION 4

RESEARCH PROGRAM SUMMARY

WASHINGTON

			USDA		USDA		OTHER INSTITUTIONS						
			ARS/HNIS /OICD	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	3.6	0.0	0.0	3.6	3.5	0.0	0.0	0.0	0.0	3.5	7.2
RP	1.02:	WATER & WATERSHEDS	2.8	0.0	0.0	2.8	2.5	0.0	0.0	0.0	0.0	2.5	5.3
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.3	2.3
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.8	0.0	0.5	0.0	0.0	1.3	1.3
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.0	0.0	0.9	0.9
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	1.2	1.2	1.7	0.0	3.1	0.0	1.6	6.4	7.7
RP	2.03:	FOREST PROTECTION	0.0	0.0	2.5	2.5	1.3	0.0	1.7	0.0	0.0	3.0	5.5
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	5.3	5.3	0.7	0.0	5.2	0.0	1.2	7.2	12.5
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.2	2.2	1.0	0.0	5.4	0.0	0.0	6.5	8.8
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.2	3.2	0.0	0.0	2.6	0.0	0.0	2.6	5.9
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.1	2.1	0.0	0.0	0.7	0.0	0.0	0.7	2.8
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.3	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.6
RP	2.09:	TECHNICAL ASSISTANCE	0.5	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.1	0.6
RP	3.01:	CORN	0.4	0.0	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.5	0.9
RP	3.03:	WHEAT	9.9	0.0	0.0	9.9	8.0	0.0	0.0	0.0	0.0	8.0	17.9
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.3	0.0	0.0	0.3	1.7	0.0	0.0	0.0	0.0	1.7	2.0
RP	3.05:	RICE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.09:	FORAGE, RANGE, & PASTURE	5.3	0.0	0.0	5.3	4.8	0.0	0.0	0.0	0.0	4.8	10.1
RP	3.10:	COTTON	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.2	0.0	0.0	0.2	4.0	0.0	0.0	0.0	0.4	4.4	4.7
RP	3.13:	FRUIT	17.3	0.0	0.0	17.3	19.2	0.0	0.0	0.0	0.0	19.2	36.5
RP	3.14:	VEGETABLE CROPS	10.4	0.0	0.0	10.4	13.7	0.0	0.0	0.0	0.0	13.7	24.2
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.2	3.0	3.1
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.17:	WEEDS IN CROPS	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP	3.18:	SEEDS	0.3	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.6	0.9
RP	3.19:	NONSPECIFIC PLANTS	5.6	0.0	0.0	5.6	5.2	0.0	1.0	0.0	0.3	6.6	12.2
RP	4.01:	BEEF	4.6	0.0	0.0	4.6	4.2	0.0	0.0	1.4	0.1	5.8	10.4
RP	4.02:	DAIRY	0.6	0.0	0.0	0.6	7.5	0.0	0.0	0.3	0.1	7.9	8.5
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP	4.04:	SHEEP	2.0	0.0	0.0	2.0	0.6	0.0	0.0	0.0	0.0	0.6	2.6
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.3	1.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4												
WASHINGTON												
	+	USDA	+	+	+	+	OTHER INSTITUTIONS	+				
	ARS/HNIS	ERS/	FS	USDA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND	
	/OICD	ACS		TOTAL		TUSK	SCH	SCH			TOTAL	TOTAL
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.0	0.0	0.0	1.0	1.0	0.0	0.0	1.4	0.0	2.4	3.4	
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0	70.0	70.0	
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.4	2.1	2.1	
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6	
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4	
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3	
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3	
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.9	0.0	4.7	4.7	
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1	
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.5	0.5	
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.7	0.0	0.0	2.7	1.8	0.0	0.0	0.0	1.0	2.8	5.5	
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6	
RP 8.03: FOOD SAFETY	0.5	0.0	0.0	0.5	0.7	0.0	0.0	0.0	0.0	0.7	1.2	
GRAND TOTAL	69.0	0.0	17.1	86.1	116.7	0.0	23.8	74.8	6.6	221.9	308.0	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1988

RESEARCH PROGRAM SUMMARY

REGION 4												
WYOMING												
GRAND TOTAL												
ARS/HNIS /OICD												
USDA ERS/ ACS												
FS												
USDA TOTAL												
SAES												
1890/ TUSK												
OTHER INSTITUTIONS FRSTRY SCH												
VET SCH												
OTHR												
TOTAL												
GRAND TOTAL												
RP 1.01:	SOIL & LAND USE	0.7	0.0	0.0	0.7	1.8	0.0	0.0	0.0	0.0	1.8	2.5
RP 1.02:	WATER & WATERSHEDS	0.3	0.0	0.0	0.3	1.9	0.0	0.0	0.0	0.0	1.9	2.2
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.03:	FDREST PROTECTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.4
RP 2.06:	FDREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	2.6	2.6	1.3	0.0	0.0	0.0	0.0	1.3	3.9
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.01:	CORN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.03:	WHEAT	0.1	0.0	0.0	0.1	0.9	0.0	0.0	0.0	0.0	0.9	1.0
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.09:	FORAGE, RANGE, & PASTURE	2.9	0.0	0.0	2.9	9.3	0.0	0.0	0.0	0.0	9.3	12.3
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	1.8	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.01:	BEEF	3.6	0.0	0.0	3.6	10.8	0.0	0.0	0.0	0.0	10.8	14.4
RP 4.02:	DAIRY	3.2	0.0	0.0	3.2	1.6	0.0	0.0	0.0	0.0	1.6	4.8
RP 4.04:	SHEEP	1.6	0.0	0.0	1.6	3.8	0.0	0.0	0.0	0.0	3.8	5.4
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
GRAND TOTAL		14.5	0.0	5.0	19.5	48.2	0.0	0.0	0.0	0.0	48.2	67.7